N00639.AR.000885
NSA MID SOUTH
5090.3a

WASTE STREAM CHARACTERIZATION STUDY POINT OF GENERATION FROM VOLUME 4

MILLINGTON SUPPACT TN

8/1/1996

ENSAFE ALLEN AND HOSHALL

WASTE STREAM CHARACTERIZATION STUDY
POINT OF GENERATION FORM
NAVSUPACT MEMPHIS –
MILLINGTON, TENNESSEE

SOUTHNAVFACENGCOM
CONTRACT NUMBER: N62467-89-D-0318
CTO-092

VOLUME 4

Prepared for:

Comprehensive Long-Term
Environmental Action Navy (CLEAN)
Naval Support Activity Memphis
Millington, Tennessee

Prepared by:

EnSafe/Allen & Hoshall
5909 Shelby Oaks Drive, Suite 201
Memphis, Tennessee 38134
(901) 386-9344

August 1996

RELEASE OF THIS DOCUMENT REQUIRES THE PRIOR NOTIFICATION OF THE COMMANDING OFFICER OF THE NAVAL SUPPORT ACTIVITY MEMPHIS, MILLINGTON, TENNESSEE

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NAVAL EXCHANGE SERVICE STATION

01 ABSORBENT WITH OIL
02 SPENT LEAD ACID BATTERIES
03 EMPTY AEROSOL CANS
04 SPENT ALKALINE BATTERIES
05 EMPTY ANTIFREEZE CANS
06 EMPTY BRAKE FLUID CANS
07 EMPTY FREON CANS
08 EMPTY OIL CANS
09 USED FUEL FILTERS
10 USED AIR FILTERS
11 USED OIL FILTERS
12 EMPTY CANS
13 METALLIC LEAD
14 METAL PARTS
15 METAL SHAVINGS
16 USED RAGS WITH GREASE
17 USED RAGS WITH OIL
18 USED RAGS WITH SAFETY KLEEN
19 USED SAFETY KLEEN
20 EMPTY TRANSMISSION FLUID CANS
21 USED ANTIFREEZE
22 USED FREON
23 USED MOTOR OIL
24 USED TRANSMISSION FLUID
25 USED TIRES
26 BRAKE WET WASH SLUDGE

Waste Stream Identification # NH278
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	CONTAINMENT AND CLEAN UP OF ENGINE OIL SPILLS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	SPENT SPEEDY DRY WITH ENGINE OIL		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component) Concentration Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH278
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

NEITHER SPEEDY DRY NOR ENGINE OIL IS A LISTED HAZARDOUS WASTE

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER SPEEDY DRY NOR ENGINE OIL HAS A FLASH POINT BELOW 140 DEGREES F

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER SPEEDY DRY NOR ENGINE OIL HAS A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER SPEEDY DRY NOR ENGINE OIL IS REACTIVE

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH278

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH278

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

SAMPLE NEXSABS001 WAS ANALYZED FOR TCLP METALS AND TCLP VOLATILES. NO PARAMETERS EXCEEDED REGULATORY LEVELS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

SPENT SPEEDY DRY AND ENGINE OIL IS PLACED IN 35-GALLON TRASH CANS AND REUSED UNTIL THE ABSORPTION CAPACITY IS EXCEEDED. THEN THE SPENT SPEEDY DRY IS DRUMMED IN 55-GALLON CONTAINERS AND SENT TO N-1694 FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\ABSOR.OIL

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Toleda Burton
ENSAFE/ALLEN & HOSHALL
5720 Summer Trees Drive
Suite 8
Memphis, TN 38134

11/29/1995

Sample No. : 328472

NET Job No.: 95.08716

Sample Description: NEXSABS001
CTO-Task: 0092-08402

Date Taken: 11/01/1995
Time Taken: 10:35
IEPA Cert. No. 100221

Date Received: 11/02/1995
Time Received: 10:00
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
TCLP, ZHE Volatiles Prep	Leached		11/07/1995		mjs	205		1311 (1)
TCLP Metals Extraction	Leached		11/06/1995		kab		391	1311 (1)
TCLP-Arsenic, ICP	<0.20	mg/L	11/13/1995	0.20	jmt	936	1485	6010 (1)
TCLP-Barium, ICP	1.62	mg/L	11/13/1995	0.020	jmt	936	1466	6010 (1)
TCLP-Cadmium, ICP	<0.010	mg/L	11/13/1995	0.010	jmt	936	1425	6010 (1)
TCLP-Chromium, ICP	<0.040	mg/L	11/13/1995	0.040	jmt	936	1414	6010 (1)
TCLP-Lead, ICP	<0.080	mg/L	11/13/1995	0.080	jmt	594	1246	6010 (1)
TCLP-Mercury, CVAA	0.0107	mg/L	11/10/1995	0.0002	mic	609	579	7470 (1)
TCLP-Selenium, ICP	<0.20	mg/L	11/13/1995	0.20	jmt	936	1291	6010 (1)
TCLP-Silver, AA	<0.040	mg/L	11/10/1995	0.040	jmt		427	7760 (1)
TCLP-VOLATILES 8240								
TCLP-Benzene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Carbon Tetrachloride	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Chlorobenzene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Chloroform	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-1,4-Dichlorobenzene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-1,2-Dichloroethane	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-1,1-Dichloroethene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Methyl Ethyl Ketone	<0.40	mg/L	11/10/1995	0.40	llj	205	1242	8240 (1)
TCLP-Tetrachloroethene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Trichloroethene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Vinyl Chloride	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
Surr: 1,2-Dichloroethane-d4	91.6	%	11/10/1995	76-114	llj	205	1242	8240 (1)
Surr: Toluene-d8	95.0	%	11/10/1995	88-110	llj	205	1242	8240 (1)
Surr: Bromofluorobenzene	110.4	%	11/10/1995	86-115	llj	205	1242	8240 (1)

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF April 1995

FSC: 7930
NIIN: 002691272
Manufacturer's CAGE: 0P293
Part No. Indicator: A
Part Number/Trade Name: RBM KITTY WHISKERS BROWN LINE, BROWN MUD

SHML Data

Item Status: PROHIBITED FOR SHIPBOARD USE - NOT AUTHORIZED FOR SHIPBOARD USE UNDER ANY CIRCUMSTANCES
SHML FSC: 7930
SHML NIIN: 002691272
Obsolete NSN: N
Replaced by NSN: NONE
Nomenclature: ABSORBENT MATERIAL,
COG: 9Q - Tech Command, Various; Inventory Control Point, GSA
Acquisition Advice Code: H
Special Matl. Content Code: T - Toxic
Special Matl. Ident. Code: <blank>
SHML Unit Of Issue: BG - Bag (Non-definitive Unit of Issue)
Unit Of Measure: 50 LB
Quantity Per Unit Package: 1
Shelf Life: 0 {Non-Deteriorative (Type II Extendable)}
Shelf Life Action Code: 00 - Not deteriorative. (Must always be shown when field "ShelfLife" is "0".)
Type Of Storage: O - Special Storage (requires specific authority and stowage instructions)
Specification: A-A-1979
PMIG: 3543
Remarks: <blank>

Nuclear Water Data

This is not a Nuclear Water Chemical NIIN.

Standard PMS Identification Number Data

SPIN FSC: 7930
SPIN NIIN: 002691272
SPIN: 3543G

General Information

Item Name: ABORBENT MATERIAL, OIL AND WATER
Manufacturer's Name: CAN-AM ABSORBENTS CO, INC
Manufacturer's Street: 6400 CYANAMID RD
Manufacturer's P. O. Box: N/K
Manufacturer's City: BRYANT
Manufacturer's State: AR

MSDS SUPPLIED BY
NAS MEMPHIS SUPPLY
HAZMAT DESK: 2/29/95

Report for NIIN: 002691272

Manufacturer's Country: US
Manufacturer's Zip Code: 72022
Manufacturer's Emerg Ph #: 800-825-1703
Manufacturer's Info Ph #: 501-557-5417
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code: C
Safety Focal Point: G
Record No. For Safety Entry: 004
Tot Safety Entries This Stk#: 010
Status: SM
Date MSDS Prepared: 23MAR91
Safety Data Review Date: 14DEC94 *
Supply Item Manager: GSA
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BNTDK
Specification Number: A-A-1979
Spec Type, Grade, Class: N/K
Hazard Characteristic Code: T6 *
Unit Of Issue: BG
Unit Of Issue Container Qty: 50 LB BG
Type Of Container: FIBER
Net Unit Weight: 50 LBS
NRC/State License Number: N/K
Net Explosive Weight: N/K
Net Propellant Weight-Ammo: N/K
Coast Guard Ammunition Code: N/K

==========

Ingredients/Identity Information

==========

Proprietary: NO
Ingredient: TITANIUM DIOXIDE
Ingredient Sequence Number: 01
Percent: 1
Ingredient Action Code:
Ingredient Focal Point: G
NIOSH (RTECS) Number: XR2275000
CAS Number: 13463-67-7
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9293
Other Recommended Limit: NONE SPECIFIED

Report for NIIN: 002691272

Proprietary: NO
Ingredient: SILICA (AMORPHOUS)
Ingredient Sequence Number: 02
Percent: 30
Ingredient Action Code:
Ingredient Focal Point: G
NIOSH (RTECS) Number: VV7310000
CAS Number: 7631-86-9
OSHA PEL: 80 MG/M3
ACGIH TLV: 80 MG/M3
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: FERRIC OXIDE
Ingredient Sequence Number: 03
Percent: 1
Ingredient Action Code:
Ingredient Focal Point: G
NIOSH (RTECS) Number: NO7400000
CAS Number: 1309-37-1
OSHA PEL: 10 MG/M3 (FE)
ACGIH TLV: 5 MG/M3(FE),B2; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: SILICA (CRYSTALLINE)
Ingredient Sequence Number: 04
Percent: <0.1
Ingredient Action Code:
Ingredient Focal Point: G
NIOSH (RTECS) Number: VV7330000
CAS Number: 14808-60-7
OSHA PEL: SEE TABLE Z3
ACGIH TLV: 0.1 MG/M3 RDUST;9293
Other Recommended Limit: NONE SPECIFIED

==========

Physical/Chemical Characteristics

==========

Appearance And Odor: TAN TO BROWN, GRANULAR OR POWDER, ODORLESS.
Boiling Point: N/K
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): N/K
Specific Gravity: 2.7 (H20 = 1)
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: N/K
Viscosity: N/K
pH: 11
Radioactivity: N/K
Form (Radioactive Matl): N/K

Report for NIIN: 002691272

Magnetism (Milligauss): N/K
Corrosion Rate (IPY): N/K
Autoignition Temperature: N/K

Fire and Explosion Hazard Data

Flash Point: N/K
Flash Point Method: N/K
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: NONE REQUIRED.
Special Fire Fighting Proc: NONE.
Unusual Fire And Expl Hazrds: NONE

Reactivity Data

Stability: YES
Cond To Avoid (Stability): NONE
Materials To Avoid: ACIDS. HEAT MAY EVOLVE IN A NEUTRALIZATION REACTION.
Hazardous Decomp Products: NONE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE

Health Hazard Data

LD50-LC50 Mixture: N/K
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: CHRONIC OVEREXPOS TO AIRBORNE DUST MAY CAUSE WHEEZING, COUGH, DYSPNEA PNEUMOCONIOSIS AND/OR IMPARED PULMONARY FUNCTION. ACUTE OVEREXPOS TO TITANIUM DIOXIDE IS NOT LIKELY TO CAUSE ADVERSE EFFECTS. CHRONIC OVEREXPOS TO TITANIUM DIOXIDE MAY CAUSE SOME LUNG FIBROSIS. INHAL OF TITANIUM DIOXIDE AT 50 TIMES THE NUISANCE DUST*
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: N/K
Signs/Symptoms Of Overexp: SHORTNESS OF BREATH, COUGHING & SPUTUM PRODUCTION. *LEVEL CAUSED LUNG FIBROSIS & A SLIGHT INCREASE IN LUNG TUMOR INCIDENCE IN LAB RATS. WHEN TITANIUM DIOXIDE WAS FED TO RATS/ MICE FOR THEIR LIFETIMES IN CARCINOGEN BIOASSAY, IT WAS NOT CARCINOGENIC. TITANIUM DIOXIDE IS UNLIKELY TO BE RELEASED FROM THIS PRODUCT.#
Med Cond Aggravated By Exp: SMOKING MAY INCREASE EFFECTS OF EXPOSURE.
#AMORPHOUS SILICA DOES NOT CAUSE THE LUNG DISEASES CRYSTALLINE SILICA IS KNOWN TO CAUSE.
Emergency/First Aid Proc: REMOVE PERSON TO FRESH AIR. SHOULD CONDITION PERSIST SEEK IMMEDIATE PROFESSIONAL MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: VACUUM OR SCOOP UP, AVOID DRY SWEEPING OR ANY METHOD WHICH WILL INCREASE THE POTENTIAL FOR DUST. ALWAYS WEAR NIOSH

Report for NIIN: 002691272

APPROVED DUST MASK.
Neutralizing Agent: N/K
Waste Disposal Method: DISPOSAL MUST BE MADE IN ACCORDANCE WITH FEDERAL, STATE OR LOCAL REGULATORY AGENCIES.
Precautions-Handling/Storing: NO SPECIAL CARE IS REQUIRED. AVOID CREATING A DUST.
Other Precautions: ALWAYS USE IN A WELL VENTILATED AREA.

Control Measures

Respiratory Protection: NIOSH APPROVED DUST RESPIRATORS WHEN EXPOSURE EXCEEDS PEL
Ventilation: SUFFICIENT LOCAL EXHAUST TO REMOVE DUST. *
Protective Gloves: OPTIONAL
Eye Protection: RECOMMENDED
Other Protective Equipment: OPTIONAL
Work Hygienic Practices: AVOID PRACTICES WHICH CREATE DUST. ALWAYS PRACTICE SAFETY
Suppl. Safety & Health Data: N/K

Transportation Data

Transportation Action Code:
Transportation Focal Point: G
Trans Data Review Date: 92217
DOT PSN Code: ZZZ
DOT Symbol:
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT Class: N/R
DOT ID Number: N/R
DOT Pack Group:
DOT Label: N/R
DOT/DoD Exemption Number: N/K
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IMO Regulations Page Number: N/R
IMO UN Number: N/R
IMO UN Class: N/R
IMO Subsidiary Risk Label: N/R
IATA PSN Code: ZZZ
IATA UN ID Number: N/R
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IATA UN Class: N/R
IATA Subsidiary Risk Class: N/R
IATA Label: N/R
AFI PSN Code: ZZZ
AFI Symbols:
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Class: N/R
AFI ID Number: N/R
AFI Pack Group:
AFI Label: N/R
AFI Special Prov:

Report for NIIN: 002691272

AFI Basic Pac Ref:
'MAC Code: NK
.O.S. Shipping Name: N/K
Additional Trans Data: N/K

Disposal Data

Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

Label Data

Label Required: YES
Technical Review Date:
Label Date:
MFR Label Number:
Label Status: G
Common Name: RBM KITTY WHISKERS BROWN LINE, BROWN MUD
Chronic Hazard:
Signal Word:
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None:
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:

Report for NIIN: 002691272

Special Hazard Precautions: CHRONIC OVEREXPOS TO AIRBORNE DUST MAY CAUSE WHEEZING, COUGH, DYSPNEA PNEUMOCONIOSIS AND/OR IMPARED PULMONARY FUNCTION. ACUTE OVEREXPOS TO TITANIUM DIOXIDE IS NOT LIKELY TO CAUSE ADVERSE EFFECTS. CHRONIC OVEREXPOS TO TITANIUM DIOXIDE MAY CAUSE SOME LUNG FIBROSIS. INHAL OF TITANIUM DIOXIDE AT 50 TIMES THE NUISANCE DUST*SHORTNESS OF BREATH, COUGHING & SPUTUM PRODUCTION. *LEVEL CAUSED LUNG FIBROSIS & A SLIGHT INCREASE IN LUNG TUMOR INCIDENCE IN LAB RATS. WHEN TITANIUM DIOXIDE WAS FED TO RATS/MICE FOR THEIR LIFETIMES IN CARCINOGEN BIOASSAY, IT WAS NOT CARCINOGENIC. TITANIUM DIOXIDE IS UNLIKELY TO BE RELEASED FROM THIS PRODUCT.#
Protect Eye:
Protect Skin:
Protect Respiratory:
Label Name: CAN-AM ABSORBENTS CO, INC
Label Street: 6400 CYANAMID RD
Label P.O. Box: N/K
Label City: BRYANT
Label State: AR
Label Zip Code: 72022
Label Country: US
Label Emergency Number: 800-825-1703
Year Procured:

Waste Stream Identification # NH279
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	LEAD ACID BATTERIES		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	LEAD ACID BATTERIES		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓	✓					
Percent	90	10					

2. Waste Composition (Component)	Concentration	Range
LEAD ACID BATTERIES WITH ACID		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	90
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH279
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

LEAD ACID BATTERIES ARE NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED LEAD ACID BATTERIES DO NOT HAVE A FLASH POINT

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

LEAD ACID BATTERIES BEING RECYCLED IN ACCORDANCE WITH 40 CFR 266.80 ARE NOT A HAZARDOUS WASTE, OTHERWISE THEY MAY BE CONSIDERED TO BE CORROSIVE.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED LEAD ACID BATTERIES ARE NOT REACTIVE

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH279

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH279

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

LEAD ACID BATTERIES BEING RECYCLED IN ACCORDANCE WITH 40 CFR 266.80 ARE NOT A HAZARDOUS WASTE, OTHERWISE THEY MAY FAIL HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURE FOR LEAD.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED LEAD ACID BATTERIES ARE STORED IN THE N-341 SHOP AREA AND ARE EXCHANGED ONE-FOR-ONE FOR NEW LEAD ACID BATTERIES.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\ACIDBAT.USED

JOHNSON CONTROLS

MATERIAL SAFETY DATA SHEET

MSDS No. L 8
Date Issued Nov. 15, 1985
Date Revised Sept. 15, 1992

I. Product Identification

Chemical/Trade Name (identity used on label): Lead Acid Battery	Chemical Family/Classification: Electric Storage Battery
Synonyms/Common Name: SLI or Industrial Battery	DOT, IATA and IMO Description: Battery, Wet, Filled with Acid, UN2794, Class 8
Company Name: Johnson Controls Battery Group, Inc.	Address: P.O. Box 591, Milwaukee, WI 53201
Division or Department: Starting, Lighting, Ignition Division & Specialty Battery Division	
CONTACT	TELEPHONE NUMBER
Questions Concerning MSDS: Industrial Hygiene & Safety Department	Day: (414) 228-3138
Transportation Emergencies: CHEMTREC	24 Hours: (800) 424-9300

II. Hazardous Ingredients

Material	% by Wt.	CAS Number	Exposure Limits OSHA	Exposure Limits ACGIH	Exposure Limits Other
Specific Chemical Identity: Lead Common Name: Grid	34	7439-92-1	50 µg/m³	150 µg/m³	NIOSH 100 µg/m³
Specific Chemical Identity: Lead Dioxide Common Name: Lead Oxide	31	1309-60-0	50 µg/m³	150 µg/m³	NIOSH 100 µg/m³
Specific Chemical Identity: Lead Sulfate Common Name: Anglisite	<1	7446-14-2	50 µg/m³	150 µg/m³	NIOSH 100 µg/m³
Specific Chemical Identity: Sulfuric Acid (35%) Common Name: Battery Electrolyte (Acid)	34	7664-93-9	1 mg/m³	1 mg/m³	NIOSH 1 mg/m³
Specific Chemical Identity: Common Name:					
Specific Chemical Identity: Common Name:					

NOTE: The contents of this product are toxic chemicals that are subject to the reporting requirements of section 302 and 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 355 and 372).

MSDS SUPPLIED BY
NAS MEMPHIS SUPPLY
HAZMAT DESK 3/30/94

III. Physical Data

Material is (at normal temperatures): ☑ Solid ☑ Liquid	Appearance and Odor: Battery electrolyte (acid) is a clear to cloudy liquid with slight acidic odor. Acid saturated lead oxide is a dark reddish-brown to gray solid with slight acidic odor.
Boiling Point (at 760 mm Hg): Lead 1755°C; Batt. Electrolyte (Acid) 110-112°C — Melting Point: Lead 327.4°C	
Specific Gravity (H_2O = 1): Battery Electrolyte (Acid) 1.210 – 1.300	Vapor Pressure ☑ (mm Hg at 20°C) ☐ (PSIG): Battery Electrolyte (Acid) 11.7
Vapor Density (AIR = 1): Battery Electrolyte (Acid) 3.4	Solubility in H_2O: Battery Electrolyte (Acid) is 100% soluble in water. Lead – Lead Dioxide are not soluble.
% Volatiles By Weight: Not Determined	Evaporation Rate (Butyl Acetate = 1): Not Determined

IV. Health Hazard Information

NOTE: Under normal conditions of battery use, internal components will not present a health hazard. The following information is provided for battery electrolyte (acid) and lead for exposure that may occur during battery production or container breakage or under extreme heat conditions such as a fire.

ROUTES AND METHODS OF ENTRY

Inhalation

Acid mist generated during battery formation may cause respiratory irritation. Spillage of acid from batteries in confined areas may also lead to exposure to sulfuric acid mist.

Skin Contact

Battery electrolyte (acid) may cause irritative contact dermatitis.

Skin Absorption

Skin absorption is not a significant route of entry.

Eye Contact

Battery electrolyte (acid) will irritate the eyes upon contact.

Ingestion

Hands contaminated by contact with internal components of a battery can cause ingestion of lead/lead compounds. Hands should be washed prior to eating, drinking, or smoking.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Acute Effects

Acute effects of overexposure to lead compounds are: GI (gastrointestinal) upset which may be loss of appetite, diarrhea and/or constipation with cramping, difficulty in sleeping, and fatigue. Exposure and/or contact with battery electrolyte (acid) may lead to acute irritation of the skin, corneal damage of the eyes, and irritation of the mucous membranes of the eyes and upper respiratory system including lungs.

Chronic Effects

Lead and its compounds may cause chronic anemia, damage to the kidneys and nervous system. Lead may also cause reproductive system damage and can affect developing fetuses in pregnant women. Battery electrolyte (acid) may lead to scarring of the cornea and chronic bronchitis as well as erosion of tooth enamel in mouth breathers in repeated exposures.

POTENTIAL TO CAUSE CANCER

The International Agency for Research on Cancer (IARC) has classified strong inorganic acid mist containing sulfuric acid as carcinogenic in humans (category 1 carcinogen). This classification is for inorganic acid mist only and does not apply to sulfuric acid or sulfuric acid solutions. The IARC study showed no definitive causal relationship between sulfuric acid mist and respiratory tract cancer in humans. IARC test data has shown insufficient evidence that lead can or will not cause cancer in humans.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation

Remove from exposure and consult a physician if any of the acute effects listed above develop.

Skin

Wash thoroughly with soap and water. If acid is splashed on clothing, remove and discard. If acid is splashed in shoes, remove them immediately and discard. Acid cannot be removed from leather.

Eyes

IMMEDIATELY rinse with cool running water for at least 15 minutes. Seek medical attention after rinsing.

Ingestion

Lead/lead compounds: Consult a physician.

Battery Electrolyte (Acid): Do not induce vomiting. Refer to a physician immediately.

MEDICAL CONDITIONS WHICH CAN BE AGGRAVATED BY EXPOSURE

Inorganic lead and its compounds can aggravate chronic forms of kidney, liver, and neurologic diseases. Contact of battery electrolyte (acid) with the skin may aggravate skin diseases such as eczema and contact dermatitis.

V. Fire and Explosion Data

Flash Point (test method)	Autoignition Temperature	Flammable Limits in Air, % by Vol.
Hydrogen – 259°C	Hydrogen 580°C	Hydrogen LEL – 4.1 UEL – 74.2

Extinguishing Media

Dry chemical, foam, or CO_2.

Special Fire Fighting Procedures

Use positive pressure, self-contained breathing apparatus.

Unusual Fire and Explosion Hazard

Hydrogen and oxygen gases are produced in the cells during normal battery operation, hydrogen is flammable and oxygen supports combustion. These gases enter the air through the vent caps. To avoid the chance of a fire or explosion, keep sparks and other sources of ignition away from the battery.

VI. Reactivity Data

Stability	Conditions to avoid
☐ Unstable ☑ Stable	Sparks and other sources of ignition may ignite hydrogen gas.

Incompatibility (material to avoid)

Lead/lead compounds: Potassium, carbides, sulfides, peroxides, phosphorus, sulfur.
Battery electrolyte (acid): Combustible materials, strong reducing agents, most metals, carbides, organic materials, chlorates, nitrates, picrates, and fulminates.

Hazardous Decomposition Products

Lead/lead compounds: Oxides of lead and sulfur
Battery electrolyte (acid): Hydrogen, sulfur dioxide, sulfur trioxide

Hazardous Polymerization	Conditions to avoid
☐ May Occur ☑ Will Not Occur	High temperature. Battery electrolyte (acid) will react with water to produce heat. Can react with oxidizing or reducing agents.

VII. Control Measures

Engineering Controls

Store lead/acid batteries with adequate ventilation. Room ventilation is required for batteries utilized for standby power generation. Never recharge batteries in an unventilated, enclosed space.

Work Practices

Make certain vent caps are on tightly. Place a minimum of two layers of corrugated cardboard between layers of batteries. When stacking in trailer, stack no more than three layers high. Use a battery carrier to lift a battery or place hands at opposite corners to avoid spilling acid through the vents. Avoid contact with internal components of the batteries.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection

None required under normal handling conditions. During battery formation, acid mist can be generated which may cause respiratory irritation. Also, if acid spillage occurs in a confined space, exposure may occur. If irritation occurs, wear a respirator suitable for protection against acid mist.

Eyes and Face

Chemical splash goggles are preferred. Also acceptable are "Visor-Togs" or a chemical faceshield worn over safety glasses.

Hands, Arms, Body

Vinyl coated, PVC, gauntlet type gloves with rough finish.

Other Special Clothing and Equipment

Safety shoes worn with rubber/neoprene boots or steel-toed rubber/neoprene boots to be worn over socks. Place pants' legs over boots to keep acid out of boots. All footwear must meet requirements of ANSI Z41.1 – Rev. 1972.

VIII. Safe Handling Precautions

Hygiene Practices

Wash hands thoroughly before eating, drinking, or smoking after handling batteries.

Protective Measures to be taken During Non-routine Tasks including Equipment Maintenance

Wear recommended eye protection. If clothing becomes saturated with acid, remove and wash affected area with water for 15 minutes. Discard saturated clothing.

SPILL OR LEAK PROCEDURES

Protective Measures to be taken if Material is Released or Spilled

Remove combustible materials and all sources of ignition. Contain spill by diking with soda ash (sodium carbonate) or quicklime (calcium oxide). Cover spill with either chemical. Mix well. Make certain mixture is neutral then collect residue and place in a drum or other suitable container. Dispose of as hazardous waste.

Wear acid resistant boots, chemical faceshield, chemical splash goggles, and acid resistant gloves. DO NOT RELEASE UNNEUTRALIZED ACID!

Waste Disposal Method

Battery Electrolyte (Acid): Neutralize as above for a spill, collect residue, and place in a drum or suitable container. Dispose of as hazardous waste.

DO NOT FLUSH LEAD CONTAMINATED ACID TO SEWER.

Batteries: Send to lead smelter for reclamation following applicable Federal, state, and local regulations.

OTHER HANDLING AND STORAGE PRECAUTIONS

An eyewash fountain and safety shower should be located in or near the production or storage area(s) for lead/acid batteries. Such storage areas should be equipped with a containment facility which captures spills of acid so that they may be neutralized, collected, and disposed of properly.

Waste Stream Identification # NH280
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USE OF AEROSOL LUBRICANTS, ADHESIVES, AND CLEANERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY AEROSOL CONTAINERS, GENERAL		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component) **Concentration** **Range**

EMPTY AEROSOL CONTAINERS, ENGINE CLEANER, STARTER, TIRE CLEANER.

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH280
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH280

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification #	NH280
Base Process ID#	NEX-01
Waste Codes	SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE TAKEN TO N-1694 HAZARDOUS WASTE STORAGE FACILITY FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\AEROSOL.CAN

Waste Stream Identification # NH281
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	FLASH BATTERIES, DRY CELL ALKALINE BATTERIES		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	ALKALINE BATTERIES		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component) Concentration Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH281
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED ALKALINE BATTERIES ARE NOT A LISTED HAZARDOUS WASTE

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED ALKALINE BATTERIES DO NOT HAVE A FLASH POINT LESS THAN 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED ALKALINE BATTERIES WILL NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5 UNLESS BROKEN OPEN

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED ALKALINE BATTERIES ARE NOT REACTIVE

Toxic ☐Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH281

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH281

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

USED ALKALINE BATTERIES MAY EXCEED REGULATORY LEVELS FOR HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURES FOR CADMIUM.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED ALKALINE BATTERIES ARE BEING THROWN AWAY OR TURNED IN TO THE SUPPLIER.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

MAY BE A HAZARDOUS WASTE AND MAY APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

MAY APPLY

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

40 CFR 268.35 WASTE SPECIFIC PROHIBITIONS - THIRD THIRD WASTES

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH282
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	EMPTY ANTIFREEZE CONTAINERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY ANTIFREEZE CONTAINERS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
EMPTY ANTIFREEZE CONTAINERS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH282

Base Process ID# NEX-01

Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH282

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH282

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7 RESIDUES OF HW IN EMPTY CONTAINERS, THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE THROWN AWAY.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH283
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	EMPTY BRAKE FLUID CANS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY BRAKE FLUID CANS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
EMPTY BRAKE OIL CANS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH283
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH283

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH283

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE TAKEN TO BUILDING N-1694 HAZARDOUS WASTE STORAGE FACILITY FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH284
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	EMPTY FREON CONTAINERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY FREON CONTAINERS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
EMPTY FREON CONTAINERS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH284

Base Process ID# NEX-01

Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7 RESIDUES OF HW IN EMPTY CONTAINERS, THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH284

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH284

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE TAKEN TO N-1694 HAZARDOUS WASTE STORAGE FACILITY FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH285
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	EMPTY ENGINE OIL CANS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY ENGINE OIL CANS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
EMPTY ENGINE OIL CANS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH285
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH285

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification #	NH285
Base Process ID#	NEX-01
Waste Codes	SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE THROWN AWAY.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH286
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED FUEL FILTERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED FUEL FILTERS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
USED FUEL FILTERS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH286
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED FUEL FILTERS ARE NOT A LISTED HAZARDOUS WASTE

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED FUEL FILTERS AIR DRIED DO NOT HAVE A FLASH POINT

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED FUEL FILTERS DO NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED FUEL FILTERS ARE NOT REACTIVE

Toxic ☐Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH286

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH286

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

IT IS NOT KNOWN IF USED FUEL FILTERS WILL FAIL THE HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURES.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED FUEL FILTERS ARE AIR DRIED AND THROWN AWAY.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH287
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED AIR FILTERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED AIR FILTERS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
USED AIR FILTERS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH287
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED AIR FILTERS ARE NOT A LISTED HAZARDOUS WASTE

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED AIR FILTERS DO NOT HAVE A FLASH POINT

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED AIR FILTERS DO NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED AIR FILTERS ARE NOT REACTIVE

Toxic ☐Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH287

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH287

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

IT IS NOT KNOWN IF USED AIR FILTERS FAIL THE HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURE.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED AIR FILTERS ARE AIR DRIED AND THROWN AWAY

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH288
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED OIL FILTERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED OIL FILTERS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
USED OIL FILTERS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH288
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

40 CFR 261.4 EXCLUSIONS (b) 13 "SOLID WASTES WHICH ARE NOT HAZARDOUS WASTES ... NON-TERNE PLATE USED OIL FILTERS THAT ARE NOT MIXED WITH WASTES LISTED IN SUBPART D OF THIS PART IF THESE OIL FILTERS HAVE BEEN GRAVITY HOT-DRAINED USING ONE OF THE FOLLOWING METHODS: ii) HOT-DRAINING AND CRUSHING; iii) DISMANTLING AND HOT-DRAINING; OR iv) ANY OTHER EQUIVALENT HOT-DRAINING METHOD THAT WILL REMOVE USED OIL." USED OIL FILTERS ARE NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

EXEMPTED IN ACCORDANCE WITH 40 CFR 261.4

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

EXEMPTED IN ACCORDANCE WITH 40 CFR 261.4

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

EXEMPTED IN ACCORDANCE WITH 40 CFR 261.4

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH288

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH288

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

EXEMPTED IN ACCORDANCE WITH 40 CFR 261.4

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

EXEMPTED IN ACCORDANCE WITH 40 CFR 261.4. USED OIL FILTERS ARE PICKED UP BY SAFETY KLEEN.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\FILTEROI.USE

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Toleda Burton
ENSAFE/ALLEN & HOSHALL
5720 Summer Trees Drive
Suite 8
Memphis, TN 38134

11/29/1995

Sample No. : 328475

NET Job No.: 95.08716

Sample Description: NEXSOILF01
CTO-Task: 0092-08402

Date Taken: 11/01/1995
Time Taken: 10:35
IEPA Cert. No. 100221

Date Received: 11/02/1995
Time Received: 10:00
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run	Analytical Method
TCLP Metals Extraction	Unable to determine						
TCLP-Arsenic, ICP	Unable to determine						
TCLP-Barium, ICP	Unable to determine						
TCLP-Cadmium, ICP	Unable to determine						
TCLP-Chromium,ICP	Unable to determine						
TCLP-Lead, GFAA	Unable to determine						
TCLP-Mercury, CVAA	Unable to determine						
TCLP-Selenium, ICP	Unable to determine						
TCLP-Silver, AA	Unable to determine						

NET Sample # 328475 was an oil filter to be analyzed for TCLP-Metals. The TCLP Method (1311) requires the sample particles be reduced until they can pass through a 9.5mm (0.375 inch) standard sieve. We were unable to reduce this sample into smaller particles. The filter was too large to be placed in the TCLP extraction vessel. There was no oil in the filter to be used for the TCLP extraction.

Waste Stream Identification # NH289
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USE OF GREASES, LUBRICANTS, WINDOW CLEANER, MISC.		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY CONTAINERS, GENERAL		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
EMPTY CONTAINERS, WINDOW CLEANER, MIS.		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH289

Base Process ID# NEX-01

Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH289

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH289

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE THROWN AWAY.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH290
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	WHEEL BALANCING		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	METALLIC LEAD		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
METALLIC LEAD		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH290
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

METALLIC LEAD IS NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

METALLIC LEAD DOES NOT HAVE A FLASH POINT.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

METALLIC LEAD DOES NOT HAVE pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

METALLIC LEAD IS NOT REACTIVE.

Toxic ☐Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH290

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH290

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

IT IS UNKNOWN IF METALLIC LEAD IS A HAZARDOUS WASTE DUE TO THE HAZARDOUS CHARACTERISTIC LEACHABLE LEAD.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

METALLIC LEAD IS RECYCLED BY HOUSE-HOLD MAKING OF FISHING WEIGHTS.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\LEAD.USED

Waste Stream Identification # NH291
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	METAL PARTS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	METAL PARTS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
METAL PARTS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH291
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

METAL PARTS ARE NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

METAL PARTS DO NOT HAVE A FLASH POINT.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

METAL PARTS DO NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

METAL PARTS ARE NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH291

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH291

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

METAL PARTS WILL NOT FAIL THE HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURE.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

METAL PARTS ARE TURNED INTO SUPPLIER FOR EXCHANGE.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH292
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	METAL SHAVINGS FROM GRINDING AND CUTTING DRUMS AND OTHER METAL PARTS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	METAL SHAVINGS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component)	Concentration	Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH292

Base Process ID# NEX-01

Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

NEITHER METAL SHAVINGS NOR CUTTING OIL IS A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

METAL SHAVINGS AND CUTTING OIL DO NOT HAVE FLASH POINTS BELOW 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER METAL SHAVINGS NOR CUTTING OIL HAS A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

METAL SHAVINGS AND CUTTING OIL ARE NOT REACTIVE.

Toxic ☐Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH292

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH292

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

IT IS NOT KNOWN IF METAL SHAVINGS AND CUTTING OIL WILL FAIL THE HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURE.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

METAL SHAVINGS AND CUTTING OIL ARE THROWN INTO GENERAL TRASH.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\METALSHA.

Waste Stream Identification # NH293
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED RAGS WITH GREASE		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	RAGS WITH GREASE		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
RAGS WITH GREASE		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH293

Base Process ID# NEX-01

Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

NEITHER RAGS NOR GREASE IS A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER RAGS NOR GREASE HAS A FLASH POINT LESS THAN 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER RAGS NOR GREASE HAS A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

RAGS WITH GREASE ARE NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH293

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH293

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

ACCORDING TO ANALYTICAL RESULTS OF NEXSRAGS01, THE RAGS DO NOT MEET HAZARDOUS WASTE CHARACTERISTICS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

RAGS ARE CONTAINERIZED. CONTAINERS ARE TAKEN TO BUILDING N-1694 HAZARDOUS WASTE STORAGE FACILITY FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH294
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED RAGS WITH OIL		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	RAGS WITH OIL		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
RAGS WITH OIL		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH294
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

NEITHER RAGS NOR OIL IS A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER RAGS NOR OIL HAS A FLASH POINT LESS THAN 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER RAGS NOR OIL HAS A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

RAGS WITH OIL ARE NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH294

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH294

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

ACCORDING TO THE ANALYTICAL RESULTS OF NEXSRAGS01, THE RAGS DO NOT MEET HAZARDOUS WASTE CHARACTERISTICS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

RAGS ARE CONTAINERIZED. CONTAINERS ARE TAKEN TO BUILDING N-1694 HAZARDOUS WASTE STORAGE FACILITY FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Toleda Burton
ENSAFE/ALLEN & HOSHALL
5720 Summer Trees Drive
Suite 8
Memphis, TN 38134

11/29/1995

Sample No. : 328476

NET Job No.: 95.08716

Sample Description: NEXSRAGS01
CTO-Task: 0092-08402

Date Taken: 11/01/1995
Time Taken: 10:35
IEPA Cert. No. 100221

Date Received: 11/02/1995
Time Received: 10:00
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
TCLP, ZHE Volatiles Prep	Leached		11/07/1995		mjs	205		1311 (1)
TCLP Metals Extraction	Leached		11/06/1995		kab		391	1311 (1)
TCLP-Arsenic, ICP	<0.20	mg/L	11/14/1995	0.20	mic	938	1489	6010 (1)
TCLP-Barium, ICP	0.288	mg/L	11/14/1995	0.020	mic	938	1470	6010 (1)
TCLP-Cadmium, ICP	0.170	mg/L	11/14/1995	0.010	mic	938	1429	6010 (1)
TCLP-Chromium,ICP	<0.040	mg/L	11/14/1995	0.040	mic	938	1418	6010 (1)
TCLP-Lead, ICP	4.72	mg/L	11/14/1995	0.080	mic		1247	6010 (1)
TCLP-Mercury, CVAA	<0.0004	mg/L	11/13/1995	0.0004	jmt		578	7470 (1)
TCLP-Selenium, ICP	<0.20	mg/L	11/14/1995	0.20	mic	938	1295	6010 (1)
TCLP-Silver, AA	<0.040	mg/L	11/13/1995	0.040	jmt		429	7760 (1)
TCLP-VOLATILES 8240								
TCLP-Benzene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Carbon Tetrachloride	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Chlorobenzene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Chloroform	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-1,4-Dichlorobenzene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-1,2-Dichloroethane	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-1,1-Dichloroethene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Methyl Ethyl Ketone	<0.40	mg/L	11/10/1995	0.40	llj	205	1242	8240 (1)
TCLP-Tetrachloroethene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Trichloroethene	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
TCLP-Vinyl Chloride	<0.020	mg/L	11/10/1995	0.020	llj	205	1242	8240 (1)
Surr: 1,2-Dichloroethane-d4	89.4	%	11/10/1995	76-114	llj	205	1242	8240 (1)
Surr: Toluene-d8	91.4	%	11/10/1995	88-110	llj	205	1242	8240 (1)
Surr: Bromofluorobenzene	108.6	%	11/10/1995	86-115	llj	205	1242	8240 (1)

CASTROL NORTH AMERICA
MATERIAL SAFETY DATA SHEET

SECTION I: IDENTITY

Product/Material Name: Syntec Grease

Chemical Name: Mixture
Chemical Family/Classification: Synthetic hydrocarbon
Molecular Weight: NA
Chemical Formula: NA
Material Use: Automotive Grease [NLGI Specification LB/GC; NLGI Grade 2]

HMIS HAZARD RATING:
[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]
Health: 0
Flammability: 1
Reactivity: 0

WARNING STATEMENTS (If Applicable):
No Hazard Warning Applicable.

MANUFACTURER'S/ SUPPLIER NAME & ADDRESS:

In the US:
Castrol Inc.
1500 Valley Road
Wayne, NJ 07474
Telephone: (201) 633-2200
Telecopier: (201) 633-7475

In Canada:
Castrol Canada Inc.
2149 Winston Park Drive
Oakville, Ontario L6H 5R1
Telephone: (416) 829-2300
Telecopier: (416) 829-2277

Date Prepared/Updated: 12/01/93

Preparer: Regulatory, Environmental, Safety Department
Telephone: (908) 980-9100

SECTION II: PRODUCT/HAZARDOUS INGREDIENT INFORMATION

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS - TLV	LD_{50}	LC_{50}	%
Polyalphaolefin [CASRN 68037-01-4]	TWA: 5 mg/m3 (suggested)	ND	ND	60-100
Lithium 12-Hydroxystearate [CASRN 7620-77-1]	ND	ND	ND	7-13
Polybutene [CASRN 9003-29-6]	ND	ND	ND	5-10
Calcium carbonate [CASRN 471-34-1]	ND	ND	ND	3-7
Zinc dialkyldithiophosphate [CASRN 68649-42-3]	ND	ND	ND	1-5
Other additives [CASRN, mixture]	ND	ND	ND	5-10

NOTE:
Product contains no materials currently classified as carcinogenic per the Annual Report of the National Toxicology Program [NTP], OSHA Hazard Communication Standard or the International Agency for Research on Cancer [IARC, Groups 1, 2A or 2B].

SECTION V: EMPLOYEE PROTECTION

Ventilation:
No special ventilation is usually necessary.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required under normal use.

Eye: Safety glasses may be used.

Gloves (specify): Wear oil impervious type, such as neoprene, nitrile, polyvinylchloride, to minimize skin contact.

Clothing: No special requirement; Normal work clothing. A coverall or apron may be used to minimize skin contact

Footwear: No special requirement.

Other: NA

Work/Hygienic Practices: Avoid prolonged and repeated skin contact. Do not wear contaminated clothing; Launder before reuse or discard. Wash thoroughly with soap and water after handling.

Storage/Handling: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. Avoid breathing mist. Maintain adequate ventilation. Avoid prolonged or repeated contact with skin.

SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ND

Vapor Pressure (mm.Hg. @ 25 °C): ND

Percent Volatiles: Negligible

Solubility in Water: Negligible

pH-Value: NA

Odor Threshold: NA

Melting Point: 535°F (279°C) min.

Appearance, Odor & Physical State: Smooth, light blue semi-solid.

Specific Gravity (Water=1): 0.85

Vapor Density (Air=1): ND

Evaporation Rate(BuAc=1): < 0.1

Freezing Point: ND

Viscosity @ 40 °C, cSt.: NA

Coefficient of Water/Oil Distribution: ND

SECTION VII: FIRE AND EXPLOSION DATA

*FLAMMABILITY Yes [X] No [ ]

Flash Point (COC): 425°F (218°C) min.
Fire Point (COC): > 400°F (204°C) min.
Autoignition Temperature: ND

Flammability limits in Air, % Vol.: Upper - ND Lower - ND

Extinguishing Media:
CO_2, dry chemical, foam and water fog. Do not use water jets.

Special Firefighting Procedures/Unusual and Explosion Hazards:
Material must be preheated to burn. Do not enter confined areas without full protective equipment, including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.
Material can float on water and re-ignite.

EXPLOSION DATA
Sensitivity to Mechanical Impact: NA
Sensitivity to Static Discharge: NA

SECTION X: REGULATORY INFORMATION

TRANSPORTATION

Special Shipping Information/DOT Proper Shipping Name: Not regulated.

CHEMICAL CONTROL REGULATIONS:

TSCA Status: All components of this material appear on the U.S. Toxic Substance Control Act Chemical Substances Inventory.
CEPA Status: All components of this product are in compliance with chemical notification requirements under the Canadian Environmental Protection Act.

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification: Material is not a "controlled product".

EPCRA - Emergency Planning and Community Right to Know Act (SARA Title III):

Section 302/304 Extremely Hazardous Substance: NA
CERCLA Section 102(a) Hazardous Substance: NA
Section 311 Hazard Category
[ ] Acute (immediate)
[ ] Chronic (delayed)
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactive
[X] Not applicable

Section 313 Toxic Release Inventory Chemical/Category:
Zinc compounds, 1-5% (wt.) max.

U.S. STATE RIGHT TO KNOW LAWS

New Jersey Worker and Community Right to Know Act, N.J.A.C. 8:59-5 Labelling Information: See Section II, Product/Hazardous Ingredient Information

****

NOTICE:
The information presented herein is compiled from sources considered to be dependable, believed to be accurate to the best of Castrol's knowledge, and offered in good faith for the purpose of hazard communication. Because product use is beyond our control, no warranty is given, expressed or implied. Castrol Inc. cannot assume any liability for the use of information contained herein. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.

****

Waste Stream Identification # NH295
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED RAGS WITH SAFETY KLEEN		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	RAGS WITH SAFETY KLEEN		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
RAGS WITH SAFETY KLEEN		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH295
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

NEITHER RAGS NOR SAFETY KLEEN IS A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER RAGS NOR SAFETY KLEEN HAS A FLASH POINT LESS THAN 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

NEITHER RAGS NOR SAFETY KLEEN HAS A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

RAGS WITH SAFETY KLEEN ARE NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH295

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH295

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

ACCORDING TO ANALYTICAL RESULTS OF NEXSRAGS01, THE RAGS DO NOT MEET HAZARDOUS WASTE CHARACTERISTICS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

RAGS ARE CONTAINERIZED. CONTAINERS ARE TAKEN TO BUILDING N-1694 HAZARDOUS WASTE STORAGE FACILITY FOR DISPOSAL.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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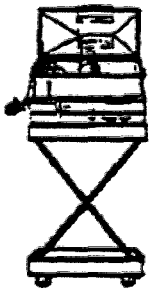
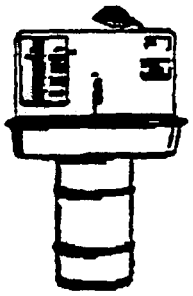
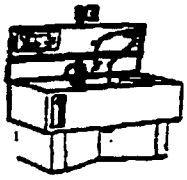
safety-kleen®



Model 14 & 60



Model 16 & 30



Model 34 & 44, COMS, and other

Material Safety Data Sheet

Safety-Kleen 105 Solvent

Part Number 6617

Revision 1/92; Form No. 82310

SAFETY-KLEEN 105 SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 1 – PRODUCT AND PREPARATION INFORMATION

PRODUCT INFORMATION

IDENTITY (TRADE NAME): SAFETY-KLEEN 105 SOLVENT

SYNONYMS: Mineral Spirits, Stoddard Solvent, Petroleum distillates, Petroleum naphtha

SK PART NUMBER(S): 6617

FAMILY/CHEMICAL NAME: Aliphatic hydrocarbon

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONE	*MEDICAL:*	*TRANSPORTATION:*
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	1-800-752-7869 (U.S.A.) 1-312-942-5969 (CANADA) RUSH POISON CONTROL CENTER CHICAGO, ILLINOIS, U.S.A.	1-708-888-4660 (U.S.A.) SAFETY-KLEEN ENVIRONMENT, HEALTH AND SAFETY DEPARTMENT 1-613-996-6666 (CANADA) CANUTEC

MANUFACTURER/SUPPLIER: Safety-Kleen Corp. - 777 Big Timber Road - Elgin, IL, U.S.A. 60123
Telephone number: 1-800-669-5840
Safety-Kleen Canada Inc. - 3090 Blvd. Le Carrefour - Suite 300 - Chomedey Laval
Quebec, Canada H7T 2J7 Telephone number: 1-800-363-2260

PREPARATION INFORMATION

MSDS FORM NO.: 82310 *REVISION DATE:* January 15, 1992

ORIGINAL ISSUE DATE: July 20, 1989 *SUPERSEDES:* December 14, 1990

PREPARED BY: Product MSDS Coordinator *APPROVED BY:* MSDS Task Force

TELEPHONE NUMBER: For Product Technical Information Call 1-312-694-2700 (U.S.A.); 1-800-363-2260 (Canada)

SECTION 2 – HAZARDOUS COMPONENTS

NAME	SYNONYM	CAS NO.	WT%	OSHA PEL TWA (ppm)	OSHA PEL STEL (ppm)	ACGIH TLV TWA (ppm)	ACGIH TLV STEL (ppm)	OTHER DATA LD[a]	OTHER DATA LC
Parts Washer Solvent (consists predominantly of C9-C13 saturated hydrocarbons)	Mineral Spirits	64741-41-9	85.0	100[c]	N.Av.	100[f]	N.Av.	>5000[g]	>5500[b,e] mg/m³/4 hours
C8+ Aromatics	N.Av.	mixture	12.0	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
*-Xylene[c]	Dimethylbenzene	1330-20-7	1.0	100	150	100	150	4300	5000[b] ppm/4 hours
*Ethylbenzene[c]	Phenylethane	100-41-4	0.5	100	125	100	125	3500	4000[d] ppm/4 hours

SAFETY-KLEEN 105 SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

*Toluene	Methylbenzene	108-88-3	0.5	100	150	100	150	5000	4000[d] ppm/4 hours
*1,1,1-trichloroethane	Methyl chloroform	71-55-6	0-0.5**	350	450	350	450	10300	18000[b] ppm/4 hours
*Perchloroethylene	Tetrachloro-ethylene	127-18-4	0-0.5**	25	N.Av.	50	200	2629	34200[b] mg/m^3/8 hours

N.Av. = Not Available
*See Section 9-Other Regulatory Information
**Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]For Stoddard Solvent
[d]Inhalation-Rat LCLo
[e]Constituent of C8+ Aromatics

SECTION 3 – EMERGENCY AND FIRST AID PROCEDURES

EYES: For direct contact, flush eyes with water for 15 minutes lifting upper and lower lids occasionally. If irritation or redness from exposure to vapor or mist develops, move victim away from exposure into fresh air. Consult physician if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin twice with soap and water. Consult physician if irritation or pain persists.

INHALATION: (Breathing) Remove to fresh air immediately. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

INGESTION: (Swallowing) Seek immediate medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (into lungs).

SPECIAL NOTE TO PHYSICIAN: Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Contact Rush Poison Control Center (see Section 1) for additional medical information.

SECTION 4 – HEALTH HAZARD DATA AND TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF EXPOSURE: Eye and skin contact; inhalation, ingestion.

EXPOSURE LIMITS: See Section 2.

SIGNS AND SYMPTOMS OF EXPOSURE

ACUTE: *Eyes:* Contact with liquid or exposure to vapor may cause mild to moderate irritation with stinging, tearing or redness.

Skin: Contact tends to remove skin oils, possibly leading to irritation and dermatitis. No significant skin absorption hazard.

Inhalation (Breathing): High concentrations of vapor or mist may be irritating to the respiratory tract; may cause nausea; may cause headaches, dizziness, impaired coordination, anesthesia and other central nervous system effects.

Ingestion (Swallowing): Low order of acute oral toxicity. May cause irritation of the throat, nausea, vomiting, myocardial injury with arrhythmias and symptoms of central nervous system depression as listed for ACUTE Inhalation. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

CHRONIC: Prolonged or repeated skin contact may cause drying and cracking or dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	Individuals with pre-existing lung, cardiac, central nervous system or skin disorders may have increased susceptibility to the effects of exposure.
CARCINOGENICITY:	IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable or possible carcinogens. NTP classifies chemicals as either known carcinogens or for which there is a limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. Perchloroethylene is listed by IARC as a possible carcinogen. Perchloroethylene is classified by NTP as having limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. Also see Section 9.
OTHER POTENTIAL HEALTH HAZARDS:	The following information is required by Canadian WHMIS regulations. Irritancy is covered in Signs and Symptoms of Exposure in Section 4. There is no known human sensitization or toxicologically synergistic product associated with this material. Xylene and toluene have demonstrated experimental effects for reproductive toxicity, mutagenicity and teratogenicity. Studies indicate ethylbenzene and 1,1,1-trichloroethane are experimental teratogens.

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER:	27 Reference Emergency Response Guidebook (DOT 5800.5)
FIRE AND EXPLOSION HAZARDS:	Vapor explosion hazard may occur indoors, outdoors or in sewers. Decomposition and combustion products may be toxic. Heated containers may rupture, explode or be thrown into the air. Vapors are heavier than air and may travel great distances to ignition source and flash back. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.
FIRE FIGHTING PROCEDURES:	NFPA 704 Rating 0-2-0 (Health-Fire-Reactivity) Keep storage containers cool with water spray. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.
EXTINGUISHING MEDIA:	Carbon dioxide, foam, dry chemical or water spray.
CONDITIONS OF FLAMMABILITY:	Heat, sparks or flame.
FLASH POINT:	105°F (40°C) SETA
AUTOIGNITION TEMPERATURE:	473°F (245°C)
FLAMMABLE LIMITS IN AIR:	*LOWER:* 0.7 Vol.% *UPPER:* 6.0 Vol.%
HAZARDOUS COMBUSTION PRODUCTS:	Burning may produce carbon monoxide.

SECTION 6 – REACTIVITY DATA

STABILITY:	Stable under normal temperatures and pressures, and not reactive with water.
INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):	Acids, oxidizing agents or chlorine may cause a violent reaction. Avoid heat, sparks or flame.
HAZARDOUS POLYMERIZATION:	Not known to occur under normal temperatures and pressures.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures.

SECTION 7 – PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS: Keep away from heat, sparks or flame. Metal containers, including tank cars and trucks, should be grounded and bonded when material is transferred. Avoid contact with eyes, skin, clothing or shoes. Use in well ventilated area and avoid breathing vapor or mist.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products. Clean contaminated clothing, shoes and protective equipment before reuse. Discard contaminated clothing, shoes or protective equipment if they cannot be thoroughly cleaned.

SHIPPING AND STORING PRECAUTIONS: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, heat, weld, grind or expose containers to flame or other sources of ignition. Empty product containers may contain product residue. See Section 9 for Packing Group information.

SPILL PROCEDURES: Remove all ignition sources. Stop leak if you can do it without risk. Wear protective equipment specified in Section 7, CONTROL MEASURES. Ventilate area and avoid breathing vapor or mist. Water spray may reduce vapor; but it may not prevent ignition in closed spaces. For large spills, isolate area and deny entry; dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. If possible, contain as a liquid for possible re-refining or sorb with compatible sorbent material and shovel with a non-sparking tool into closable container for disposal. See Emergency Response Guidebook (DOT P 5800.5) Guide Number 27 for more information.

WASTE DISPOSAL METHODS: Dispose in accordance with federal, state, provincial and local regulations. Contact Safety-Kleen regarding recycling or proper disposal.

CONTROL MEASURES

EYE PROTECTION: Where there is likelihood of eye contact, wear chemical goggles and faceshield. Do NOT wear contact lenses.

PROTECTIVE GLOVES: Use Nitrile. Viton® or equivalent gloves to prevent contact with skin. Do NOT use Butyl rubber, natural rubber or equivalent gloves.

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment is required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the U.S.A. with OSHA General Industry Standard 29 CFR 1910.134 and in Canada with CSA Standard Z94.4-M1982.

ENGINEERING CONTROLS: Provide process enclosure or local ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where explosive mixtures may be present, systems safe for such locations should be used.

OTHER PROTECTIVE EQUIPMENT: Where spills and splashes are possible, wear appropriate solvent-resistant boots, apron or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 8 – PHYSICAL DATA

PHYSICAL STATE, APPEARANCE AND ODOR: Liquid, clear, green with characteristic hydrocarbon odor

ODOR THRESHOLD: Not available

SAFETY-KLEEN 105 SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SPECIFIC GRAVITY:	0.77 to 0.80 at 60/60°F (16/16°C) (water = 1)
DENSITY:	6.4 to 6.7 lbs/gal
VAPOR DENSITY:	4.9 (air = 1)
VAPOR PRESSURE:	2 mm Hg at 68°F (20°C)
BOILING POINT:	304 to 435°F (151 to 224°C)
FREEZING POINT:	Not available
pH:	7 (water extraction)
VOLATILE ORGANIC COMPOUNDS: (US EPA DEFINITION)	100 WT%; 6.4 to 6.7 lbs/gal; 770 to 800 g/l
EVAPORATION RATE:	0.1 (butyl acetate = 1)
SOLUBILITY IN WATER:	Slight
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not available
MOLECULAR WEIGHT:	142 (approximately)

SECTION 9 – OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	COMBUSTIBLE LIQUID, N.O.S. (Mineral Spirits)
DOT CLASS:	Combustible Liquid
DOT ID NUMBER:	NA1993, PGIII
TDG CLASSIFICATION:	Naphtha, solvent, Class 3.3, UN1256, P.G. III

SARA TITLE III:

Product contains toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Toxic constituents are listed with an asterisk in Section 2 of this Material Safety Data Sheet.

Product poses the following physical and health hazards as defined in 40 CFR 370.3 (Sections 311, 312 of SARA Title III):

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

WHMIS CLASSIFICATION:

Class B3, Combustible Liquids;
Class D2A, Infectious and Toxic Materials, Other Toxic Effects, Very Toxic Material;
Class D2B, Infectious and Toxic Materials, Other Toxic Effects, Toxic Material

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

Waste Stream Identification # 35
Base Process ID# NEX-01
Waste Codes D001

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	CLEANING PARTS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED SAFETY KLEEN SOLVENT		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component) **Concentration** **Range**

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # 35

Base Process ID# NEX-01

Waste Codes D001

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED SAFETY KLEEN 105 SOLVENT IS NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☒Yes/☐No

If applicable, please give detail on why or why not:

USED SAFETY KLEEN 105 SOLVENT IS AN IGNITABLE HAZARDOUS WASTE WITH A FLASH POINT OF 105 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED SAFETY KLEEN 105 SOLVENT WILL NOT HAVE A pH EQUAL OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED SAFETY KLEEN 105 SOLVENT IS NOT REACTIVE.

Toxic ☒Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # 35

Base Process ID# NEX-01

Waste Codes D001

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # 35

Base Process ID# NEX-01

Waste Codes D001

If applicable, give detail on why or why not a toxic waste code was selected:

USE SAFETY KLEEN 105 SOLVENT MAY EXCEED REGULATORY LEVELS FOR HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURES.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED SAFETY KLEEN 105 SOLVENT IS BEING GENERATED FROM A PARTS WASHER WHEN SAFETY KLEEN PICKS UP THE USED SOLVENT FOR RECYCLING.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

IS A HAZARDOUS WASTE AND MAY APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

MAY APPLY

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

40 CFR 268.35 WASTE SPECIFIC PROHIBITIONS - THIRD THIRD WASTES

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Toleda Burton
ENSAFE/ALLEN & HOSHALL
5720 Summer Trees Drive
Suite 8
Memphis, TN 38134

12/05/1995

Sample No. : 330890

NET Job No.: 95.09303

Sample Description: NEXSSSKS 01
CTO-Task:0092-08402

Date Taken: 11/01/1995
Time Taken: 10:35
IEPA Cert. No. 100221

Date Received: 11/20/1995
Time Received: 11:45
WDNR Cert. No. 999447130

Parameter	Results		Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
Flashpoint	152		Degree F	11/29/1995	72	sdf		318	1010 (1)
TCLP, ZHE Volatiles Prep	Leached			11/27/1995		kab	212		1311 (1)
TCLP Metals Extraction	Leached			11/27/1995		kab		401	1311 (1)
TCLP-Arsenic, ICP	<2.0	DX	mg/L	12/01/1995	0.20	jmt	953	1519	6010 (1)
TCLP-Barium, ICP	<0.20	DX	mg/L	12/01/1995	0.020	jmt	953	1500	6010 (1)
TCLP-Cadmium, ICP	<0.10	DX	mg/L	12/01/1995	0.010	jmt	953	1459	6010 (1)
TCLP-Chromium,ICP	<0.40	DX	mg/L	12/01/1995	0.040	jmt	953	1448	6010 (1)
TCLP-Lead, ICP	<0.80	DX	mg/L	12/01/1995	0.080	jmt	953	1670	6010 (1)
TCLP-Mercury, CVAA	<0.02	DX	mg/L	11/29/1995	0.0002	jmt		583	7470 (1)
TCLP-Selenium, ICP	<2.0	DX	mg/L	12/01/1995	0.20	jmt	953	1325	6010 (1)
TCLP-Silver, AA	<0.40	DX	mg/L	12/01/1995	0.040	jmt		437	7760 (1)
TCLP-VOLATILES 8240									
TCLP-Benzene	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-Carbon Tetrachloride	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-Chlorobenzene	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-Chloroform	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-1,4-Dichlorobenzene	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-1,2-Dichloroethane	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-1,1-Dichloroethene	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-Methyl Ethyl Ketone	<100		mg/L	11/29/1995	0.40	llj	212	1260	8240 (1)
TCLP-Tetrachloroethene	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-Trichloroethene	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
TCLP-Vinyl Chloride	<5.0		mg/L	11/29/1995	0.020	llj	212	1260	8240 (1)
Surr: 1,2-Dichloroethane-d4	99.0		%	11/29/1995	76-114	llj	212	1260	8240 (1)
Surr: Toluene-d8	98.4		%	11/29/1995	88-110	llj	212	1260	8240 (1)
Surr: Bromofluorobenzene	113.2		%	11/29/1995	86-115	llj	212	1260	8240 (1)

TCLP-VOC analysis performed at a 250x dilution due to matrix interference.

DX: Parameter analysis performed at a dilution due to sample matrix; analyte is not detected.

Waste Stream Identification # NH296
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	EMPTY TRANSMISSION FLUID CONTAINERS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	EMPTY TRANSMISSION FLUID CONTAINERS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
EMPTY TRANSMISSION FLUID CONTAINERS		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH296

Base Process ID# NEX-01

Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7 RESIDUES OF HW IN EMPTY CONTAINERS, THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 FR 261.7

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH296

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH296

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

THE CONTAINER IS EMPTY ACCORDING TO 40 CFR 261.7, RESIDUES OF HW IN EMPTY CONTAINERS; THEREFORE, ANY HW REMAINING IN THE CONTAINER IS NOT SUBJECT TO 40 CFR 261 THROUGH 265, PART 268, 270 OR 124. CONTAINERS ARE THROWN AWAY.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH297
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED ANTIFREEZE		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED ANTIFREEZE		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component) Concentration Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH297
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED ANTIFREEZE (ETHYLENE GLYCOL) IS NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED ANTIFREEZE DOES NOT HAVE A FLASH POINT BELOW 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED ANTIFREEZE DOES NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED ANTIFREEZE IS NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH297

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH297

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

SAMPLE NEXSANTIO1 WAS ANALYZED FOR TCLP METALS AND TCLP VOLATILES. NO PARAMETERS EXCEEDED REGULATORY LEVELS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED ANTIFREEZE IS PLACED IN 55-GALLON DRUMS AND PICKED UP BY SAFETY KLEEN FOR RECYCLING.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\USEDANTI.

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Toleda Burton
ENSAFE/ALLEN & HOSHALL
5720 Summer Trees Drive
Suite 8
Memphis, TN 38134

11/29/1995

Sample No. : 328474

NET Job No.: 95.08716

Sample Description: NEXSANTI01
CTO-Task: 0092-08402

Date Taken: 11/01/1995
Time Taken: 10:35
IEPA Cert. No. 100221

Date Received: 11/02/1995
Time Received: 10:00
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
TCLP Metals Extraction	Leached		11/07/1995		mjs		392	1311 (1)
TCLP-Arsenic, ICP	<0.20	mg/L	11/13/1995	0.20	jmt	936	1485	6010 (1)
TCLP-Barium, ICP	0.385	mg/L	11/13/1995	0.020	jmt	936	1466	6010 (1)
TCLP-Cadmium, ICP	0.187	mg/L	11/13/1995	0.010	jmt	936	1425	6010 (1)
TCLP-Chromium,ICP	<0.040	mg/L	11/13/1995	0.040	jmt	936	1414	6010 (1)
TCLP-Lead, ICP	0.292	mg/L	11/13/1995	0.080	jmt		1245	6010 (1)
TCLP-Mercury, CVAA	<0.0004	mg/L	11/10/1995	0.0004	mic	609	579	7470 (1)
TCLP-Selenium, ICP	<0.20	mg/L	11/13/1995	0.20	jmt	936	1291	6010 (1)
TCLP-Silver, AA	<0.040	mg/L	11/10/1995	0.040	jmt		427	7760 (1)

MATERIAL SAFETY DATA SHEET

BASF CORPORATION
100 CHERRY HILL RD.

PARSIPPANY, NJ 07054
(201) 316-3000

Original Date: 10/15/1991
Revision Date: 03/31/1992

Emergency Telephone: (800) 424-9300 (CHEMTREC)
(800) 832-HELP (BASF Hotline)

BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

Product ID: NVS 547278

ZEREX® ANTIFREEZE

Common Chemical Name:
INHIBITED ETHYLENE GLYCOL

ynonyms:
NTIFREEZE

Molecular Formula:
MIXTURE

Molecular Wt.: NOT APPLICABLE
Chemical Family: Glycol

SECTION 2 - INGREDIENTS

Chemical Name:		CAS #:	Amount:	PEL/TLV Data:
ETHYLENE GLYCOL	HC	107-21-1	85.0 - 95.0 %	OSHA CEIL 50 PPM FINAL
DIETHYLENE GLYCOL	H	111-46-6	0.0 - 10.0 %	NOT ESTABLISHED

I - Denotes an IARC listed carcinogen
- Denotes an NTP listed carcinogen
- Denotes an OSHA carcinogen
- Denotes an OSHA health hazard
P - Denotes an OSHA physical hazard
C - Denotes a CERCLA listed chemical

See section 10A for SARA-313 list.

P66X

SECTION 5 - HEALTH EFFECTS

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gasses include inhalation and eye and skin contact.

Acute Overexposure Effects:

Contact with the eyes and skin may result in irritation. Acute overexposure to diethylene glycol and ethylene glycol can cause severe abdominal distress, CNS depression, possibly respiratory and/or kidney failure.

Chronic Overexposure Effects:

Chronic overexposure to diethylene glycol and ethylene glycol can cause liver and kidney damage. Animal studies indicate that ethylene `ycol may be embryotoxic and teratogenic by the oral and inhalation utes.

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid Procedures - Eyes:

Immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Notes to Physicians:

Administration of ethanol may counteract the effects of ethylene glycol, such as metabolic acidosis and renal damage.

.rst Aid Procedures - Aggravated Medical Conditions:

Individuals with preexisting diseases of the skin, respiratory disorders, or impaired function of the liver/kidneys may have

SECTION 7 - PERSONAL PROTECTION (Cont.)

Personal Protection - Respiration:
If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator.

Personal Protection - Ventilation:
Use local exhaust to control to recommended P.E.L.

Personal Protection - Explosion Proofing:
None required.

SECTION 8 - SPILL-LEAK/ENVIRONMENTAL

Spill/Leak Procedures - General:
Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. This material is regulated by CERCLA ("Superfund").
This material is a CERCLA hazardous substance (ethylene glycol having an RQ of 1 lb). Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush area with water.

Spill/Leak Procedures - Waste Disposal:
Incinerate or bury in a RCRA licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Spill/Leak Procedures - Container Disposal:
Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

SECTION 9 - STORAGE AND HANDLING

orage and Handling - General:
o special requirements needed.

SECTION 11 - TRANSPORTATION INFORMATION

DOT Proper Shipping Name:

NONE

DOT Technical Name:

NONE

DOT Primary Hazard Class:

NONE

DOT Secondary Hazard Class:

DOT Label Required:

NONE

DOT Placard Required:

NONE

DOT Poison Constituent:

BASF Commodity Codes: 332 332 **UN/NA Code:** N/A **E/R Guide:** N/A

Bill of Lading Description:

ANTIFREEZE PREPARATIONS, PROPRIETARY, ETHYLENE GLYCOL BASE

	CLASS:	P. G.	SHIPPING NAME:
IATA:	NONE	N/A	ANTIFREEZE PREPARATIONS, PROPRIETARY, ET COL BASE
IMO:	NONE	N/A	ANTIFREEZE PREPARATIONS, PROPRIETARY, ET COL BASE
TDG:	NONE	N/A	ANTIFREEZE PREPARATIONS, PROPRIETARY, ET COL BASE

Waste Stream Identification # NH298
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED FREON		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED FREON		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State				✓			
Percent				100			

2. Waste Composition (Component)	Concentration	Range
USED FREON		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH298
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED FREON IS NOT A LISTED HAZARDOUS WASTE IF IT IS BEING RECYCLED IN ACCORDANCE WITH 40 CFR 261.4 (b) (12) "USED CHLOROFLUOR0CARBON REFRIGERANTS FROM HEAT TRANSFER EQUIPMENT ARE NOT REGULATED, PROVIDED THE REFRIGERANT IS RECLAIMED FOR FURTHER USE."

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED FREON IS NOT AN IGNITABLE WASTE.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED FREON WILL NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED FREON IS NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH298

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH298

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

IN ACCORDANCE WITH 40 CFR 261.4 (b) (12), USED FREON IS NOT A HAZARDOUS WASTE.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED FREON IS NOT A HAZARDOUS WASTE IF BEING RECYCLED IN ACCORDANCE WITH 40 CFR 261.4 (b) (12) "USED CHLOROFLUOR0CARBON REFRIGERANTS FROM HEAT TRANSFER EQUIPMENT ARE NOT REGULATED, PROVIDED THE REFRIGERANT IS RECLAIMED FOR FURTHER USE." USED FREON IS BEING PLACED BACK INTO ORIGINAL CONTAINERS AND PICKED UP BY SUPPLIER FOR REUSE OR RECYCLING.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\USEDFREO.

DOD Hazardous Materials Information System
DoD 6050.5-LR
AS OF April 1995
Proprietary Version - For U.S. Government Use Only

F 6830
N: 001061656
Manufacturer's CAGE: 18873
Part No. Indicator: A
Part Number/Trade Name: FREON 12 FLUOROCARBON

==========

General Information

==========

Item Name: DICHLORODIFLUOROMETHANE, TECHNICAL
Manufacturer's Name: DU PONT E I DE NEMOURS AND CO INC
Manufacturer's Street: 1007 MARKET STREET
Manufacturer's P. O. Box: 1635
Manufacturer's City: WILMINGTON
Manufacturer's State: DE
Manufacturer's Country: US
Manufacturer's Zip Code: 19899
Manufacturer's Emerg Ph #: 800-441-3637
Manufacturer's Info Ph #: 800-441-9450
Distributor/Vendor # 1: N/R
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 005
Tot Safety Entries This Stk#: 015
Status: SE
Date MSDS Prepared: 00MAY89
Safety Data Review Date: 31JAN91
Supply Item Manager: CX
MSDS Preparer's Name: K.F. BROWN
Preparer's Company: DU PONT COMPANY, CHEM. AND PIG. DEPART.
Preparer's St Or P. O. Box: CHESTNUT RUN PLAZA; PO BOX 80709
Preparer's City: WILMINGTON
Preparer's State: DE
Preparer's Zip Code: 19880-0709
Other MSDS Number:
MSDS Serial Number: BCYVW
Specification Number: BB-F-1421B
Spec Type, Grade, Class: TYPE 12
Hazard Characteristic Code: G3
Unit Of Issue: CY
Unit Of Issue Container Qty: 1
Type Of Container: CYLINDER
Net Unit Weight: 50 POUNDS

Report for NIIN: 001061656

NRC/State License Number: N/R
Net Explosive Weight:
N Propellant Weight-Ammo: N/R
Coast Guard Ammunition Code:

Ingredients/Identity Information

Proprietary: NO
Ingredient: DICHLORODIFLUOROMETHANE (SARA III)
Ingredient Sequence Number: 01
Percent. 100
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: PA8200000
CAS Number: 75-71-8
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 9192
Other Recommended Limit: NOT ESTABLISHED

Physical/Chemical Characteristics

Appearance And Odor: CLEAR,COLORLESS LIQUEFIED GAS;SLIGHT ETHEREAL ODOR
Boiling Point: -21.6F/-29C
Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): 94.5
Vapor Density (Air=1): 4.26
Specific Gravity: 1.315 (LIQUID)
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: UNKNOWN
Solubility In Water: 0.028
Percent Volatiles By Volume: 100
Viscosity:
pH: NEUTR.
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): UNKNOWN
Autoignition Temperature: N/R

Fire and Explosion Hazard Data

Flash Point: NON-FLAMMABLE.
Flash Point Method: N/R
Lower Explosive Limit: N/R
Upper Explosive Limit: N/R
Extinguishing Media: AS APPROPRIATE FOR COMBUSTIBLES IN AREA.
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire And Expl Hazrds: USE WATER SPRAY OR FOG TO COOL CONTAINERS. CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

Report for NIIN: 001061656

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HIGH TEMPERATURES AND OPEN FLAMES
Materials To Avoid: ALKALI OR ALKALINE EARTH METALS-POWDERED AL, ZN, BE, ETC.
Hazardous Decomp Products: HYDROCHLORIC AND HYDROFLUORIC ACIDS-POSSIBLY CARBONYL HALIDES. DECOMPOSED BY HIGH TEMPERATURES(OPEN FLAMES, HOT METAL.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: 4 HOUR LC50 RATS IS 800,000 PPM
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: INHALATION OF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL AND MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS, OR DEATH. INTENTIONAL MISUSE CAN BE FATAL. LIQUID CONTACT CAN CAUSE FROSBITE. MAY CAUSE EYE IRRITATION.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: FREON 12 IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Signs/Symptoms Of Overexp: EYE IRRITATION WITH DISCOMFORT, TEARING, OR BLURRING OF VISION. SKIN CONTACT MAY RESULT IN FROSTBITE. INHALING MAY CAUSE TEMPORARY NERVOUS SYSTEM DEPRESSION WITH DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, AND LOSS OF CONSCIOUSNESS. EXCESSIVE EXPOSURES MAY CAUSE HEART AND CIRCULATORY IRREGULARITIES.
Med Cond Aggravated By Exp: INDIVIDUALS WITH PREEXISTING DISEASES OF THE CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.
Emergency/First Aid Proc: EYE:FLUSH W/ WATER 15 MIN HOLD LIDS OPEN SEE A DOCTOR. SKIN:WASH WITH SOAP & WATER. TREAT FOR FROST-BITE IF NEEDED. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING, AS NEEDED. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. INGESTED:DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL CARE. IF IRRITATION PERSISTS,OR IS SEVERE,SEE A DOCTOR.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: VENTILATE AREA. DO NOT FLUSH INTO SEWERS. COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL.
Neutralizing Agent: NONE
Waste Disposal Method: DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS THAT RECLAIMATYION BY DISTILLATION OR DISPOSAL BY A PERMITTED FACILITY.
Precautions-Handling/Storing: STORE IN A CLEAN, COOL, DRY AND WELL-VENTILATED AREA OF LOW FIRE RISK. PROTECT CONTAINERS FROM PHYSICAL DAMAGE AND KEEP CLOSED.

Report for NSN: 0010616E6

Other Precautions: TANK-CLEANING PERSONNEL SHOULD USE ONLY FORMAL TANK ENTRY PROCEDURE BASED ON RECOGNIZED SAFETY PRINCIPLES. APPLY ALL SAFETY PRECAUTIONS TO EMPTY CONTAINERS AS THEY MAY CONTAIN PRODUCT RESIDUES. [illegible] DO.

Control Measures

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE WITH NIOSH APPROVED AIR SUPPLIED RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.
Ventilation: PROVIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATIONS WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR OTHER.
Protective Gloves: LINED BUTYL RUBBER, PVA OR NEOPRENE
Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES
Other Protective Equipment: USE IMPERVIOUS CLOTHING IF THERE IS DANGER OF REPEATED OR PROLONGED CONTACT WITH LIQUID.
Work Hygienic Practices: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID CONTACT. REMOVE AND WASH CLOTHING PROMPTLY UPON CONTAMINATION.
Suppl. Safety & Health Data: NONE.

Waste Stream Identification # NH299
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED MOTOR OILS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED MOTOR OILS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component) Concentration Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH299
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED MOTOR OIL IS NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED MOTOR OIL IS NOT AN IGNITABLE WASTE IF BEING RECYCLED AS A USED OIL IN ACCORDANCE WITH 40 CFR 279.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED MOTOR OIL WILL NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED MOTOR OIL IS NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH299

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH299

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

SAMPLE NEXSOILU01 WAS ANALYZED FOR TCLP METALS AND TCLP VOLATILES. NO PARAMETERS EXCEEDED REGULATORY LEVELS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED MOTOR OIL IS NOT A HAZARDOUS WASTE IF BEING RECYCLED AS A USED OIL IN ACCORDANCE WITH 40 CFR 279. USED MOTOR OIL IS BEING STORED IN A 55-GALLON AST AND IS BEING PICKED UP BY SAFETY KLEEN FOR RECYCLING.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\USEDMOTO.OIL

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Toleda Burton
ENSAFE/ALLEN & HOSHALL
5720 Summer Trees Drive
Suite 8
Memphis, TN 38134

11/29/1995

Sample No. : 328477

NET Job No.: 95.08716

Sample Description: NEXSOILU01
CTO-Task: 0092-08402

Date Taken: 11/01/1995
Time Taken: 10:35
IEPA Cert. No. 100221

Date Received: 11/02/1995
Time Received: 10:00
WDNR Cert. No. 999447130

Parameter	Results		Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
Flashpoint	>200		Degree F	11/14/1995	72	sdf		314	1010 (1)
EOX	<0.010	S	ug/g	11/13/1995	0.010	out		87	S 9020 Modified
Arsenic, GFAA	<0.050	DX,S	mg/L	11/09/1995	0.05	out	591	528	7060 (1)
Cadmium, ICP	2.2		mg/L	11/14/1995	0.010	jmt	932	1428	6010 (1)
Chromium, ICP	1.1		mg/L	11/14/1995	0.040	jmt	932	1417	6010 (1)
Lead, ICP	39		mg/L	11/14/1995	0.080	mic		58	6010 (1)

S : Parameter analysis was sub-contracted to another NET location.

DX: Parameter analysis was performed at a dilution due to sample matrix; analyte is not detected.

CASTROL NORTH AMERICA
MATERIAL SAFETY DATA SHEET

SECTION I: IDENTITY

Product/Material Name: Castrol Heavy Duty Motor Oil SAE 30; Castrol Heavy Duty Motor Oil SAE 40
Chemical Name: Mixture
Chemical Family/Classification: Petroleum hydrocarbon
Molecular Weight: NA
Chemical Formula: NA
Material Use: Motor Oil

WHIS HAZARD RATING:
[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]
Health: 1
Flammability: 1
Reactivity: 0

WARNING STATEMENTS (If Applicable):
WARNING! AVOID SKIN CONTACT WITH USED MOTOR OILS.

MANUFACTURER'S/ SUPPLIER NAME & ADDRESS:

In the US:
Castrol Inc.
1500 Valley Road
Wayne, NJ 07474
Telephone: (201) 633-2200
Telecopier: (201) 633-7475

In Canada:
Castrol Canada Inc.
2149 Winston Park Drive
Oakville, Ontario L6H 5R1
Telephone: (416) 829-2300
Telecopier: (416) 829-2277

Date Prepared/Updated: 01/04/93

Preparer: Regulatory, Environmental, Safety Department
Telephone: (908) 980-9100

SECTION II: PRODUCT/HAZARDOUS INGREDIENT INFORMATION

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS-TLV	LD_{50}	LC_{50}	%
Severely refined petroleum basestocks. May contain one or more of the following CASRN, 64742-41-2; 64741-88-4; 64742-01-4; 64742-41-2; 64742-46-7; 64742-54-7; 64742-56-9; 64742-57-0; 64742-62-7; 64742-65-0; 72623-83-7; 72326-84-8; 72623-85-9; 72623-86-0; 72623-87-1	PEL/TWA: 5 mg/m3, mist (OSHA, ACGIH) STEL: 10 mg/m3, mist (ACGIH)	Oral, rat: > 5 g/kg.	Inhalation, 4 hr., rat: > 5000 mg/m3	60-100
Multi-functional additive mixture composed of organo-metallic compounds, typically containing zinc dialkyl dithiophosphate, calcium salts of alkylated phenol sulfides, alkylated diphenyl amines [CASRN NA, mixture]	ND	ND	ND	10-30
Methacrylate polymer and/or ethylene-propylene copolymer with a nitrogen functional group blend [CASRN NA, mixture]	ND	ND	ND	1-5

NOTE:
Product contains no materials currently classified as carcinogenic per the Annual Report of the National Toxicology Program [NTP], OSHA Hazard Communication Standard or the International Agency for Research on Cancer [IARC, Groups 1, 2A or 2B].

NA - Not Applicable; ND - No Data Available

SECTION V: EMPLOYEE PROTECTION

Ventilation:
No special ventilation is usually necessary. However, if operating conditions may create high airborne concentrations of th material, special or local ventilation may be needed.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required under normal use. If exposure is expected to exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors and particulates.

Eye: Safety goggles or glasses.

Gloves (specify): Wear oil impervious type, such as neoprene, nitrile, polyvinylchloride, to minimize skin contact.

Clothing: No special requirement; Normal work clothing. A coverall or apron may be used to minimize skin contact

Footwear: No special requirement.

Other: NA

Work/Hygienic Practices: Avoid prolonged and repeated skin contact. Do not wear contaminated clothing; Launder before reus or discard. Wash thoroughly with soap and water after handling.

Storage/Handling: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. Avoi breathing mist. Maintain adequate ventilation. Avoid prolonged or repeated contact with skin.

SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: > 500°F (> 260°C)

Vapor Pressure (mm.Hg. @ 25 °C): < 0.01

Percent Volatiles: Negligible

Solubility in Water: Negligible

pH-Value: NA

Odor Threshold: NA

Specific Gravity (Water=1): 0.89

Vapor Density (Air=1): > 1

Evaporation Rate(BuAc=1): < 0.1

Freezing Point: -6°F to -40°F (-21°C to -40°C)

Viscosity @ 100°C, cSt.: SAE 30: 11.7
SAE 40: 13.5

Coefficient of Water/Oil Distribution: ND

Appearance, Odor & Physical State: Clear, amber liquid; mild petroleum odor

SECTION VII: FIRE AND EXPLOSION DATA

FLAMMABILITY Yes [X] No [ ] NFPA Class IIIB material - Combustible liquid

Flash Point (COC): 446°F (230°C)
Fire Point (COC): 470°F (243°C)
Autoignition Temperature: ND

Flammability limits in Air, % Vol.: Upper - ND Lower - ND

Extinguishing Media:
CO_2, dry chemical, foam and water fog. Do not use water jets.

Special Firefighting Procedures/Unusual and Explosion Hazards:
Material must be preheated to burn. Do not enter confined areas without full protective equipment, including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

EXPLOSION DATA
Sensitivity to Mechanical Impact: NA
Sensitivity to Static Discharge: NA

NA - Not Applicable; ND - No Data Available

SECTION X: REGULATORY INFORMATION

TRANSPORTATION
Special Shipping Information/DOT Proper Shipping Name: Not regulated.

CHEMICAL CONTROL REGULATIONS:
TSCA Status: All components of this material appear on the Toxic Substance Control Act Chemical Substances Inventory.

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification: Material is not a "controlled product".

EPCRA (SARA Title III):
Section 302/304 Extremely Hazardous Substance: NA
CERCLA Section 102(a) Hazardous Substance: NA
Section 311 Hazard Category
[ ] Acute (immediate)
[ ] Chronic (delayed)
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactive
[X] Not applicable

Section 313 Toxic Release Inventory Chemical/Category:
Zinc compounds, 3.0% (wt.) max.

U.S. STATE RIGHT TO KNOW LAWS
New Jersey Worker and Community Right to Know Act, N.J.A.C. 8:59-5 Labelling Information: Motor Oil

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NOTICE:
The information presented herein is compiled from sources considered to be dependable, believed to be accurate to the best of Castrol's knowledge, and offered in good faith for the purpose of hazard communication. Because product use is beyond our control, no warranty is given, expressed or implied. Castrol Inc. cannot assume any liability for the use of information contained herein. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.

****

NA - Not Applicable; ND - No Data Available

NOT [illegible]

CASTROL NORTH AMERICA
MATERIAL SAFETY DATA SHEET

SECTION I: IDENTITY

Product/Material Name: Castrol GT-LMA Brake Fluid
Chemical Name: Mixture
Chemical Family/Classification: Glycol ether
Molecular Weight: NA
Chemical Formula: NA
Material Use: Brake Fluid

HMIS HAZARD RATING:
[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]
Health: 1
Flammability: 1
Reactivity: 0

WARNING STATEMENTS (If Applicable):
CAUTION! MAY CAUSE EYE IRRITATION.

MANUFACTURER'S/ SUPPLIER NAME & ADDRESS:

In the US:
Castrol Inc.
1500 Valley Road
Wayne, NJ 07474
Telephone: (201) 633-2200
Telecopier: (201) 633-7475

In Canada:
Castrol Canada Inc.
2149 Winston Park Drive
Oakville, Ontario L6H 5R1
Telephone: (416) 829-2300
Telecopier: (416) 829-2277

Date Prepared/Updated: 01/04/93

Preparer: Regulatory, Environmental, Safety Department
Telephone: (908) 980-9100

SECTION II: PRODUCT/HAZARDOUS INGREDIENT INFORMATION

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS-TLV	LD_{50}	LC_{50}	%
Mixed glycol ethers, glycol ether borate esters, glycol derivatives, alkylamines and alkyl aromatic.	ND	Oral, rats: > 5 g/kg Dermal, rabbits: > 2 g/kg.	ND	60-100

NOTE:
Product contains no materials currently classified as carcinogenic per the Annual Report of the National Toxicology Program [NTP], OSHA Hazard Communication Standard or the International Agency for Research on Cancer [IARC, Groups 1, 2A or 2B].

NA - Not Applicable; ND - No Data Available

SECTION V: EMPLOYEE PROTECTION

Ventilation:
No special ventilation is usually necessary. However, if operating conditions may create high airborne concentrations of th material, special or local ventilation may be needed.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required under normal use. If exposure is expected to exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors and particulates.

Eye: Safety goggles recommended.

Gloves (specify): Wear impervious type, such as neoprene, nitrile, PVC to minimize skin contact.

Clothing: No special requirement; Normal work clothing. A coverall or apron may be used to minimize skin contact.

Footwear: No special requirement.

Other: NA

Work/Hygienic Practices: Avoid prolonged and repeated skin contact. Do not wear contaminated clothing; Launder before reus or discard. Wash thoroughly with soap and water after handling.

Storage/Handling: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. Avoic breathing mist. Maintain adequate ventilation.

SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 490°F (254°C)

Vapor Pressure (mm.Hg. @ 25 °C): < 0.01

Percent Volatiles: ND

Solubility in Water: Complete

pH-Value: 25% in water - 8.6

Odor Threshold: ND

Appearance, Odor & Physical State: Clear, yellow liquid; mild odor

Specific Gravity (Water=1): 1.05

Vapor Density (Air=1): > 1

Evaporation Rate(BuAc=1): ND

Freezing Point: -58°F (-50°C)

Viscosity @ 100°C, cSt.: 2.2

Coefficient of Water/Oil Distribution: ND

SECTION VII: FIRE AND EXPLOSION DATA

FLAMMABILITY Yes [X] No [ ] NFPA Class IIIB material - Combustible liquid

Flash Point (COC): 270°F (132°C)
Fire Point (COC): > 270°F (132°C)
Autoignition Temperature: ND

Flammability limits in Air, % Vol.: Upper - ND Lower - ND

Extinguishing Media:
CO_2, dry chemical, foam and water fog. Do not use water jets.

Special Firefighting Procedures/Unusual and Explosion Hazards:
Material must be preheated to burn. Do not enter confined areas without full protective equipment, including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

EXPLOSION DATA
Sensitivity to Mechanical Impact: NA
Sensitivity to Static Discharge: NA

NA - Not Applicable; ND - No Data Available

SECTION X: REGULATORY INFORMATION

TRANSPORTATION
Special Shipping Information/DOT Proper Shipping Name: Not regulated.

CHEMICAL CONTROL REGULATIONS:
TSCA Status: All components of this material appear on the Toxic Substance Control Act Chemical Substances Inventory.

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification:
Material is a controlled product.
[ ] Class A - Compressed Gas
[ ] Class B-1 - Flammable Gases
[ ] Class B-2 - Flammable Liquids
[ ] Class B-3 - Combustible Liquids
[ ] Class B-4 - Flammable Solids
[ ] Class B-5 - Flammable Aerosols
[ ] Class B-6 - Reactive Flammable Materials
[ ] Class C - Oxidizing Material
Class D, Div. 1 - Materials Causing Immediate and Serious Toxic Effects
[ ] Class D-1A - Very Toxic Material
[ ] Class D-1B - Toxic Material
Class D, Div. 2 - Materials Causing Other Toxic Effects
[ ] Class D-2A - Very Toxic Materials
[X] Class D-2B - Toxic Materials
[ ] Class D-3 - Biohazardous Infectious Material
[ ] Class E - Corrosive Material
[ ] Class F - Dangerously Reactive Material

EPCRA (SARA Title III):
Section 302/304 Extremely Hazardous Substance: NA
CERCLA Section 102(a) Hazardous Substance: NA
Section 311 Hazard Category
[X] Acute (immediate)
[ ] Chronic (delayed)
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactive
[ ] Not applicable

Section 313 Toxic Release Inventory Chemical/Category:
Glycol ethers, 60-100% (wt.) max.

U.S. STATE RIGHT TO KNOW LAWS
Specific chemical identity of some or all of the product's hazardous ingredients is held as confidential business information and is being withheld as permitted by OSHA (29 CFR 1910.1200), CEPA and various right to know laws.

New Jersey Worker and Community Right to Know Act, N.J.A.C. 8:59-5 Labelling Information: Brake fluid
California Proposition 65:
This product contains one or more chemicals known to the State of California to cause cancer or reproductive harm.

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****

NA - Not Applicable; ND - No Data Available

TPC

Terminal Packaging Corpo

Office: 727 South 13th Street
Omaha, NE 68102
402-341-2805
FAX: 402-341-0494

Plant: 2850 Rive
Council Bl
402-341-
FAX: 712-3.

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MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list): MAG1 Power Steering Fluid
PRODUCT CODE: MG31PSPL,MG31PS4P,MG31PS6P,
MG31PS12,MG31PS2Z

NFPA Hazard		Identification
		0 - Least
Health:	0	1 - Slight
Fire:	1	2 - Moderate
Reactivity:	0	3 - High
		4 - Extreme

Section I - General Information

Terminal Packaging Corporation
(subsidiary of Warren Distribution)
2849 River Road
Council Bluffs, IA 51501

Emergency (402) 341-9397
Information (402) 341-9397
Chemtrec (800) 424-9300
Revised: 12-3-92

Section II - Hazardous Ingredients

COMPONENT NAME	%	CAS	OSHA PEL	ACGIH TLV
Lubricating Oil Base Stock	>99	64742-54-7 or 64742-65-0	5mg/m3*	5mg/m3*
Proprietary Additives	< 1	mixture	5mg/m3*	5mg/mg*

* numbers are for oil mist

Section III - Physical/Chemical Characteristics

Boiling Point (deg F): n/a
Vapor Pressure (mm Hg): n/a
Vapor Density (Air=1): n/a
Evaporation Rate (n-butyl Acetate=1): n/a

Specific Gravity (H_2O=1): .88
Melting Point (deg F): ND
Solubility in Water : insoluble

APPEARANCE AND ODOR: light amber liquid, mild petroleum odor

Section IV - Fire and Explosion Hazard Data

Flash Point (deg F): 375
Method Used: COC

Flammable or Explosive Limits (approximate % by volume in air)
LEL: n/a UEL: n/a

Flammable or Explosive Limits (approximate % by volume in air)
LEL: n/a UEL: n/a

EXTINGUISHING MEDIA: Use water spray, dry chemical, foam, or carbon dioxide. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus may be required.

UNUSUAL FIRE AND EXPLOSION HAZARDS: none known

Section V - Reactivity Data

STABILITY: stable
CONDITIONS TO AVOID: n/a

INCOMPATIBILITY (MATERIALS TO AVOID): strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, aldehydes, and other petroleum decomposition products. Oxides of phosphorus, sulfur, calcium, zinc, and hydrogen sulfide may also be present.

HAZARDOUS POLYMERIZATION: will not occur
CONDITIONS TO AVOID: n/a

Section VI - Health Hazard Data

EYE CONTACT: Contact with eyes may cause eye irritation.

SKIN CONTACT: Prolonged or repeated contact may result in skin irritation or dermatitis.

INHALATION: Breathing oil mist in concentrations that exceed the TLV and PEL may result in respiratory discomfort and irritation.

INGESTION: Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

CARCINOGENICITY: This product has not been classified as a carcinogen or probable carcinogen by OSHA, NTP, or IARC.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: may cause skin, eye, or respiratory irritation

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: none recognized

OTHER HEALTH INFORMATION: n/a

Section VII - First Aid Procedures

EYE CONTACT: If splashed into eyes, flush with water for 15 minutes or until irritation subsides. Get medical attention if irritation persists.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists.

INHALATION: If overcome by vapor from hot product, immediately remove victim to fresh air. If breathing has stopped, administer artificial respiration. Call for medical attention. If overexposed to oil mist, remove from further exposure.

INGESTION: Do NOT induce vomiting, call medical attention immediately.

Section VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Add sand, earth, or other suitable absorbant to spill area. Keep product out of sewers and waterways by diking or impounding.

WASTE DISPOSAL METHOD: Place in an appropriate disposal facility in compliance with local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place with adequate ventilation. Do not expose to extreme temperatures or flames.

OTHER PRECAUTIONS: n/a

Section IX - Control Measures

RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed space, if needed.

VENTILATION: Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment.

PROTECTIVE GLOVES: Use neoprene gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION: Wear goggles if there is likelihood of contact with eye(s).

OTHER PROTECTIVE EQUIPMENT: Use neoprene apron or other clothing, if needed, to avoid prolonged or repeated skin contact.

WORK PRACTICES/ENGINEERING CONTROLS: Keep containers closed when not in use.

PERSONAL HYGIENE: Wash skin thoroughly after contact, before breaks and meals, and at the end of the work period. Thoroughly clean contaminated clothing, including shoes, before re-use.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we received from sources outside our company and we believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. no warranty is made, either expressed or implied.

Waste Stream Identification # NH300
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	USED TRANSMISSION FLUIDS		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	USED TRANSMISSION FLUIDS		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ___ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component) Concentration Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH300
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

USED TRANSMISSION FLUID IS NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED TRANSMISSION FLUID IS NOT AN IGNITABLE WASTE IF BEING RECYCLED AS A USED OIL IN ACCORDANCE WITH 40 CFR 279.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED TRANSMISSION FLUID WILL NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

USED TRANSMISSION FLUID IS NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH300

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH300

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

SAMPLE NEXSOILU01 WAS ANALYZED FOR TCLP METALS AND TCLP VOLATILES. NO PARAMETERS EXCEEDED REGULATORY LEVELS.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

USED TRANSMISSION FLUID IS NOT A HAZARDOUS WASTE IF BEING RECYCLED AS A USED OIL IN ACCORDANCE WITH 40 CFR 279. USED MOTOR OIL IS BEING STORED IN A 55-GALLON AST AND IS BEING PICKED UP BY SAFETY KLEEN FOR RECYCLING. A FEW GALLONS PER MONTH ARE GENERATED.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

N:\WP51\CTO\T.092\POGEN\NEX\USEDTRAN.OIL

Waste Stream Identification # NH301
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	TIRES		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	TIRES		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ✓ 2) Not Applicable ___ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State	✓						
Percent	100						

2. Waste Composition (Component)	Concentration	Range
TIRES		

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	100
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH301
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

TIRES ARE NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

TIRES DO NOT HAVE A FLASH POINT BELOW 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

TIRES DO NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

TIRES ARE NOT REACTIVE.

Toxic ☐Yes/☒No

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH301

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH301

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

TIRES MAY NOT FAIL THE HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURE.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

TIRES ARE TURNED INTO SUPPLIER FOR EXCHANGE.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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Waste Stream Identification # NH302
Base Process ID# NEX-01
Waste Codes SOLID

Naval Support Activity Memphis
Waste Stream Documentation Form
Part I

A. GENERAL INFORMATION

1. Department:	NAVAL EXCHANGE	Work Center:	NEX SERVICE CENTER
2. Shop Name:	SERVICE CENTER	Work Center Contact:	RON DAHL
3. Building Number:	N-341/N-757	Work Center Phone No.:	872-2610
4. Work Center Description:	PROVIDES LIGHT VEHICLE MAINTENANCE ON PRIVATE VEHICLES		
5. Process Description:	BRAKE WET WASH SLUDGE		
6. Base Process I.D. No.:	NEX-01	Other Identifiers:	
7. Waste Stream Description:	BRAKE WET WASH SLUDGE		

B. GENERAL WASTE DESCRIPTION

1) User Knowledge ____ 2) Not Applicable ✓ (If NA, go to Section C)

	Solid	Liquid	Semi-solid	Gas	Waste water	Non-waste water	Other
Physical State							
Percent							

2. Waste Composition (Component)	Concentration	Range

Color:	NA	Density:	NA
BTU/LB (Oils only):	NA	Total Solids:	NA
Ash Content:	NA	Layering:	NA

Waste Stream Identification # NH302
Base Process ID# NEX-01
Waste Codes SOLID

C. WASTE STREAM DETERMINATION

1. Is this a "waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

2. Is this a "solid waste"? ☒Yes/☐No

If applicable, specify exclusion or exemption by regulatory citation and describe:

3. Is this a listed hazardous waste? ☐Yes/☒No

If applicable, give waste code (F, K, P, or U) and/or explain why or why not:

BRAKE WET WASH SLUDGE IS NOT A LISTED HAZARDOUS WASTE.

4. Is this a characteristic waste?

Ignitable [D001] ☐Yes/☒No

If applicable, please give detail on why or why not:

BRAKE WET WASH SLUDGE DOES NOT HAVE A FLASH POINT BELOW 140 DEGREES F.

Corrosive [D002] ☐Yes/☒No

If applicable, please give detail on why or why not:

BRAKE WET WASH SLUDGE DOES NOT HAVE A pH EQUAL TO OR LESS THAN 2 OR GREATER THAN 12.5.

Reactive [D003] ☐Yes/☒No

If applicable, please give detail on why or why not:

BRAKE WET WASH SLUDGE IS NOT REACTIVE.

Toxic ☐Yes/☐No UNKNOWN

If applicable, mark the appropriate codes in the **EPA Hazardous Chemicals Table** on the following page:

Waste Stream Identification # NH302

Base Process ID# NEX-01

Waste Codes SOLID

Yes/No	Regulatory Waste Code	Chemical Ab. Se. No.	Hazardous Waste	TCLP Level (mg/L)	mg/L
No	D004	7440-38-2	Arsenic	5.0	
No	D005	7440-39-3	Barium	100.0	
No	D018	71-43-2	Benzene	0.5	
No	D006	7440-43-9	Cadmium	1.0	
No	D019	56-23-5	Carbon tetrachloride	0.5	
No	D020	57-74-9	Chlordane	0.0	
No	D021	108-90-7	Chlorobenzene	100.0	
No	D022	67-66-3	Chloroform	6.0	
No	D007	7440-47-3	Chromium	5.0	
No	D023	95-48-7	o-Cresol	200.0	
No	D024	108-39-4	m-Cresol	200.0	
No	D025	106-44-5	p-Cresol	200.0	
No	D026		Cresol	200.0	
No	D016	94-75-7	2,4-d	10.0	
No	D027	106-46-7	1,4-dichlorobenzene	7.5	
No	D028	107-06-2	1,2-dichloroethane	0.5	
No	D029	75-34-5	1,1-dichloroethylene	0.7	
No	D030	121-14-2	2,4-dinitrotoluene	0.1	
No	D012	72-20-8	Endrin	0.0	
No	D031	76-44-8	Heptachlor (& its epoxide)	0.0	
No	D032	188-74-1	Hexachlorobenzene	0.1	
No	D033	87-68-3	Hexachlorobutadiene	0.5	
No	D034	67-72-1	Hexachloroethane	3.0	
No	D008	7439-92-1	Lead	5.0	
No	D013	58-89-9	Lindane	0.4	
No	D009	7439-97-6	Mercury	0.2	
No	D014	72-43-5	Methoxychlor	10.0	
No	D035	78-93-3	Methyl ethyl ketone	200.0	
No	D036	98-95-3	Nitrobenzene	2.0	
No	D037	87-86-5	Pentachlorophenol	100.0	
No	D038	110-86-1	Pyridine	5.0	
No	D010	7782-49-2	Selenium	1.0	
No	D011	7440-22-4	Silver	5.0	
No	D039	127-18-4	Tetrachloroethylene	0.7	
No	D015	8001-35-2	Toxaphene	0.5	
No	D040	79-01-6	Trichloroethylene	0.5	
No	D041	95-95-4	2,4,5-trichlorophenol	400.0	
No	D042	88-06-2	2,4,6-trichlorophenol	2.0	
No	D017	93-72-1	2,4,5-TP (Silvex)	1.0	
No	D043	75-01-4	Vinyl Chloride	0.2	

Waste Stream Identification # NH302

Base Process ID# NEX-01

Waste Codes SOLID

If applicable, give detail on why or why not a toxic waste code was selected:

IT IS NOT KNOWN IF THE BRAKE WET WASH SLUDGE WILL FAIL THE HAZARDOUS WASTE CHARACTERISTIC LEACHATE PROCEDURE.

D. STORAGE, TREATMENT, AND DISPOSAL OF WASTE

1. Give a specific description of waste from point of generation /origination to final disposition including container type and size, storage facility type, and applicable regulatory exclusions for the unit:

BRAKE WET WASH SLUDGE IS THROWN AWAY.

2. Are Underlying Hazardous Constituents applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE, THEREFORE DOES NOT APPLY

3. Are Universal Waste Management Regulations applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

4. Are Land Disposal Restrictions applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE

5. Are Subparts AA, BB, or CC applicable? If yes, what are they? NO

NOT A HAZARDOUS WASTE. SUBPART AA AND BB - AIR EMISSION STANDARDS DO NOT APPLY - NAVSUPPACT MEMPHIS DOES NOT HAVE ANY HAZARDOUS WASTE PROCESS VENTS OR PROCESS EQUIPMENT. SUBPART CC IS NOT CURRENTLY IN EFFECT.

6. List other concerns related to this waste stream: NONE

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