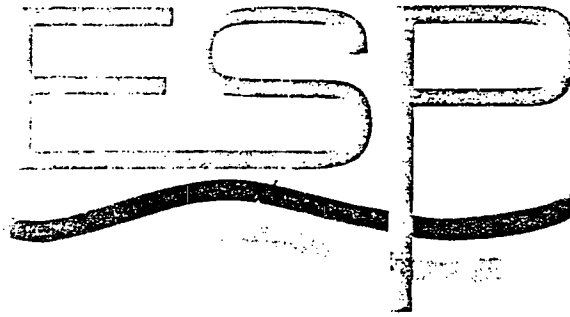


**GW -** 164

# **REPORTS**

**YEAR(S):**

1992



## CORPORATE ENVIRONMENTAL POLICY

ESP is committed to continued excellence, leadership, and stewardship in protecting the environment. Environmental protection is a primary management responsibility, as well as the responsibility of every employee.

In keeping with this policy, our objective as a company is to reduce waste and achieve minimal adverse impact on air, water, and land through excellence in environmental control.

ESP's Environmental Guidelines include the following:

"Environmental protection is a line responsibility and an important measure of employee performance. In addition, every employee is responsible for environmental protection in the same manner he or she is responsible for safety.

Reducing or eliminating the generation of waste has been and continues to be a prime consideration in research, process design, and operations; and is viewed by management like safety, yield, and loss prevention.

Source reduction/waste minimization (reuse and recycling) of materials has been and will continue to be given first consideration prior to classification and disposal of waste."

Signed:

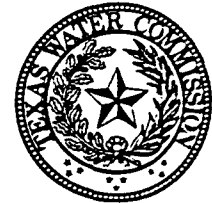
  
Chief Executive Officer



Firm <u>E.S.P., Inc.</u>	Pollution Prevention Assessment Source Reduction <input type="checkbox"/> Waste Minimization <input checked="" type="checkbox"/>	Prepared By <u>Rwl</u>
Site <u>Midland, Tx.</u>	Proj. No. _____	Reviewed By _____
Date <u>June 15, 1992</u>		Sheet ____ of ____ Page ____ of ____

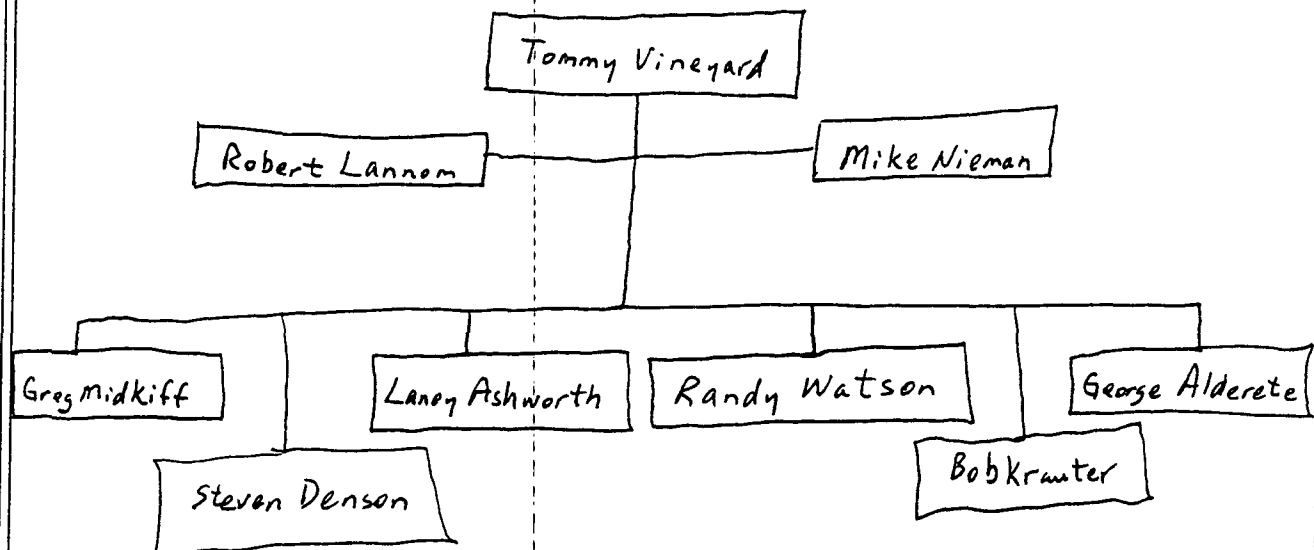
**Worksheet**  
**2**

**Program Task Force**



Function	Name	Location	Telephone #
Program Manager	Robert Lannon	Midland, Tx.	915-699-7401
V.P. US Operations	Tommy Vineyard	Midland, Tx.	915-699-7401
Manager of Services	Mike Nieman	Midland, Tx.	915-699-7401
Shop Manager	Laney Ashworth	Snyder, Tx.	915-573-4967
Shop Manager	Greg Midkiff	Midland, Tx.	915-699-7401
Coating Manager	Randy Watson	ESP Coating-Midland, Tx.	915-697-2613
Cable Manager	George Alderete	Snyder, Tx.	915-573-4967

**Organization Chart**  
(sketch)

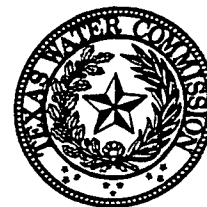




Firm <u>E.S.P., Inc.</u>	Pollution Prevention Assessment Source Reduction <input type="checkbox"/> Waste Minimization <input checked="" type="checkbox"/>	Prepared By <u>RmL</u>
Site <u>Midland, Tx.</u>	Proj. No. _____	Reviewed By _____
Date <u>June 15, 1992</u>		Sheet ____ of ____ Page ____ of ____

**Worksheet**  
**4**

**Employee Training  
Program**



Checklist Questions:	yes/no
1. Do you have a pollution prevention training program in place at this time?	no
2. Is the training program open to all employees?	yes
3. Do key personnel require additional training or in-depth training?	yes
4. Have all employees on the task force completed the training program?	no
5. Does the training course include information on pollution prevention definitions and laws?	no
6. Does the training course include information on pollution prevention assessments?	yes
7. Does the training course include information on pollution prevention feasibility analysis?	yes
8. Does the training course include information on pollution prevention implementation?	yes
Comments or further explanation of the training program. <u>E.S.P., Inc. has had Environmental Site Assessment - Phase I</u> <u>Audits performed at each location. Recommendations made</u> <u>as a result of these audits are presently being</u> <u>implemented. The managers at each facility are being</u> <u>trained in pollution prevention, bioremediation, waste stream</u> <u>minimization, etc.</u>	

Firm <u>E.S.P., Inc.</u>	Pollution Prevention Assessment Source Reduction <input type="checkbox"/> Waste Minimization <input checked="" type="checkbox"/>	Prepared By <u>Dmf</u>
Site <u>Midland, Tx.</u>	Proj. No. _____	Reviewed By _____
Date <u>June 15, 1992</u>		Sheet ____ of ____ Page ____ of ____

**Worksheet  
20**

**Executive Summary**



**Executive Summary – Part 1**

1. Description of the facility:

- a. Name of the facility: E.S.P., Inc.
- b. Address: 17 Kevin Road, Midland, Texas 79703
- c. Contact: Robert Lannom
- d. General description Cleaning, testing, and routine maintenance  
of electric submersible pumps used in oilfield applications.
- e. TACB Account #: \_\_\_\_\_
- TWC Solid Waste Registration #: 38568
- EPA ID #: Tx 0988047494
- NPDES Permit #: \_\_\_\_\_
- Underground Injection Well Code ID #: \_\_\_\_\_
- SIC Code #: 8734

## Executive Summary — Part 2.

2. List all hazardous wastes generated and the volume of each.

Description of waste/  
TX Waste Code Number:

Volume:

100150 (HCl)

\* 1100 Gallons (used up in cleaning process)

108190 (Versene 100)

\* 200 Gallons (used up in cleaning process)

\* Note: These chemicals are utilized in the equipment cleaning process, and are "used up" or "spent" and are not generated as a waste stream.

### Executive Summary - Part 3

3. List all reportable TRI chemicals, C.A.S. numbers and the volume of releases of each.

TRI Chemicals &

C.A.S. number:

Release:

*None*

—

### Executive Summary — Part 4

4. Provide a prioritized list of pollutants and contaminants to be reduced:

1.) Sump waste (tests show to be non-hazardous)

2.) Dily Soil (test show to be non-hazardous)

3.) Ethylene Glycol (Ant: freeze)

4.) \_\_\_\_\_

5.) \_\_\_\_\_

6.) \_\_\_\_\_

7.) \_\_\_\_\_

8.) \_\_\_\_\_

9.) \_\_\_\_\_

10.) \_\_\_\_\_

11.) \_\_\_\_\_

12.) \_\_\_\_\_

13.) \_\_\_\_\_

14.) \_\_\_\_\_

15.) \_\_\_\_\_

16.) \_\_\_\_\_

17.) \_\_\_\_\_

18.) \_\_\_\_\_

19.) \_\_\_\_\_

20.) \_\_\_\_\_

## Executive Summary - Part 5

5. State the reduction goals for the facility:

Goals:

1.) To reduce the amount of waste generated by 25%  
within 2 years.

2.) To reduce the amount of oily soil, utilizing  
bioremediation techniques, by 50% within 2 years.

## Executive Summary — Part 6

6. Explain the environmental and human health risks considered in determining reduction goals:

Although the E.P.A. chemical analysis of E.S.P.'s waste streams showed no hazardous materials to be present, by E.P.A.'s definition, it is our priority to reduce soil contamination and to prevent the generation of any type of waste streams which might cause pollution or human health risks.

## Executive Summary – Part 7

7. What are the implementation milestones for individual project development?

Projects to improve housekeeping, to properly handle and dispose of waste streams, and to become more aware of environmental concerns have been implemented as a result of our recent Phase I Environmental Site Assessments.

## Executive Summary — Part 8

8. What is the implementation schedule for future reduction goals?

We plan on reducing our waste stream volumes by 25% within the next 2 years. We also plan on reducing oily soil at our facilities by 50% within the next 2 years.

## Executive Summary - Part 9

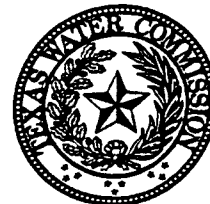
9. Identify cases in which the implementation of source reduction or waste minimization activity, designed to reduce risk to human health or the environment, may result in the release of a different pollutant or contaminant or may shift the release to another medium.

No cases identified yet. We are presently evaluating  
different cleaning chemicals for submersible pumps and  
are constantly appraising our operations and procedures  
to further reduce waste streams and any agent  
that may cause pollution or environmental concerns.

Firm <u>E.S.P., Inc.</u>	<b>Pollution Prevention Assessment</b> <b>Source Reduction</b> <input type="checkbox"/> <b>Waste Minimization</b> <input checked="" type="checkbox"/>	Prepared By <u><i>Boyl</i></u>
Site <u>Midland, Tx.</u>		Reviewed By _____
Date <u>June 15, 1992</u>		Sheet ____ of ____ Page ____ of ____
Proj. No. _____		

**Worksheet  
21**

**Certificate of Completion**



**Certificate of Completion**

This document certifies that the pollution prevention plan has been completed and meets the specified requirements of Senate Bill 1099 of the 72nd Texas Legislature, the Solid Waste Disposal Act, and 31 TAC §§335.471-335.480, and that the information provided herein is true, correct and complete.

This document also certifies that the person whose signature appears below has the authority to commit the corporate resources necessary to implement this plan.

\_\_\_\_\_  
Facility Owner, or

\_\_\_\_\_  
Corporate Officer

REPORT NUMBER: 703  
MSDS NO: DZ40500  
EFFECTIVE DATE: 03/11/93

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 001  
VERSION: 001

PRODUCT: HYDROCHLORIC ACID, TECHNICAL 20 BAUME'

ORDER NO: 107982  
PROD NO : 279660

ELECTRIC SUBMERSIBLE  
PUMPS , INC  
8426 N. DAL PASO

HOBBS ,NM 88240

VAN WATERS & ROGERS INC. , SUBSIDIARY OF UNIVAR (206)889-3400  
6100 CARILLON POINT , KIRKLAND , WA 98033

----- EMERGENCY ASSISTANCE -----

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC  
(800)424-9300

----- FOR PRODUCT AND SALES INFORMATION -----

CONTACT YOUR LOCAL VAN WATERS & ROGERS BRANCH OFFICE AT  
VW&R ODESSA 915-366-3243 ODESSA , TX

PRODUCT NAME:  
HYDROCHLORIC ACID, TECHNICAL 20 BAUME'

MSDS #: DZ40500

1. INGREDIENTS: (% w/w, unless otherwise noted)

Hydrogen chloride	CAS# 007647-01-0	31.5%
Water	CAS# 007732-18-5	Balance

2. PHYSICAL DATA:

BOILING POINT: 178F (81.5C)  
VAP PRESS: 25 mmHg, 3.3 kpa @ 20C  
VAP DENSITY: (Air=1) 11.0  
SOL. IN WATER: Infinite.  
SP. GRAVITY: 1.16  
APPEARANCE: White to yellow clear liquid.  
ODOUR: A pungent odor.

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: None  
METHOD USED: TCC

FLAMMABLE LIMITS



# MATERIAL SAFETY DATA SHEET

MSDS NUMBER

9,249

PAGE 1

37367 (4-85)

## 24 HOUR EMERGENCY ASSISTANCE

## GENERAL MSDS ASSISTANCE

SHELL: 713-473-9461 CHEMTREC: 800-424-9300

SHELL: 713-241-4819

## BE SAFE

READ OUR PRODUCT  
SAFETY INFORMATION  
...AND  
PASS IT ON(PRODUCT LIABILITY LAW  
REQUIRES IT)

ACUTE HEALTH



3

FIRE



1

REACTIVITY



0

HAZARD RATING

LEAST - 0

SLIGHT - 1

MODERATE - 2

HIGH - 3

EXTREME - 4

\*For acute and chronic health effects refer to the discussion in Section III

## SECTION I

NAME

PRODUCT ▶ ETHYLENE GLYCOL - ANTIFREEZE GRADE

CHEMICAL  
NAME ▶ EGCHEMICAL  
FAMILY ▶ GLYCOLSHELL  
CODE ▶ 32371 94000

## SECTION II-A

## PRODUCT/INGREDIENT

NO.

COMPOSITION

CAS NUMBER

PERCENT

P ETHYLENE GLYCOL - ANTIFREEZE GRADE

MIXTURE

100

1 ETHYLENE GLYCOL

107-21-1

90-100

2 DIETHYLENE GLYCOL

111-46-6

0-10

## SECTION II-B

## ACUTE TOXICITY DATA

NO.

ACUTE ORAL LD50

ACUTE DERMAL LD50

ACUTE INHALATION LC50

1 4.0 G/KG - RAT

19.5 G/KG - RABBIT

NONE

1 5.0 G/KG - RABBIT

2 14.8 G/KG - RAT

11.9 G/KG - RABBIT

NONE

## SECTION III

## HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

## EYE CONTACT

BASED ON PRESENCE OF COMPONENT 1, PRODUCT IS MODERATELY TO SEVERELY IRRITATING TO THE EYES. VAPORS CAN ALSO CAUSE SEVERE EYE IRRITATION.

## SKIN CONTACT

PRODUCT IS MILDLY IRRITATING TO THE SKIN AND SLIGHTLY TOXIC ON PROLONGED OR REPEATED CONTACT.

## INHALATION

VAPORS ARE MILDLY TO MARKEDLY IRRITATING TO THE LUNGS DEPENDING ON THE EXPOSURE LEVEL.

## INGESTION

BASED ON PRESENCE OF COMPONENT 1, PRODUCT MAY BE HARMFUL OR FATAL IF SWALLOWED; MAY PRODUCE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION AND KIDNEY DAMAGE WHICH MAY BE FATAL. INGESTION OF COMPONENT 2 MAY ALSO PRODUCE LIVER DAMAGE.

Petroplex Acidizing, Inc.  
P.O. Box 6365  
Midland, TX 79711  
(915) 563-1299

## MATERIAL SAFETY DATA SHEET

### NAME

PRODUCT: X-25 Solvent

CHEMICAL/SYNONYMS: Xylol; Dimethyl Benzene; Methyl Toulene

CHEMICAL FAMILY: Aromatic Hydrocarbon

### HEALTH INFORMATION

Acute Toxicity: Over exposure can lead to central nervous system depression producing such effects as headache, dizziness, nausea and loss of consciousness.

Eye Contact: Short-term liquid or vapor contact may result in slight eye irritation. Prolonged and repeated contact may be more irritating.

Skin Contact: Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis.

Inhalation: High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes.

Ingestion: Liquid ingestion may result in vomiting; aspiration (breathing in) of the liquid into the lungs must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage.

### OCCUPATIONAL EXPOSURE LIMITS

Xylene:

OSHA-PEL/TWA = 100 ppm  
ACGIH-TLV/TWA = 100 ppm (skin)  
-TLV/STEL = 150 ppm (skin)

Ethylbenzene:

OSHA-PEL/TWA = 100 ppm  
ACGIH-TLV/TWA = 100 ppm  
-TLV/STEL = 125 ppm

### EMERGENCY AND FIRST AID PROCEDURES

**Eye Contact:** Flush with water. If persistent irritation occurs, get medical attention.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and do not reuse until laundered. If persistent irritation occurs, get medical attention.

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

**Ingestion:** DO NOT INDUCE VOMITING even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

**NOTE TO PHYSICIAN:** Depending upon the amount ingested and retained, as well as the toxicity of the product, gastric lavage should be considered. Keep patient's head below hips to prevent pulmonary aspiration. If comatose, a cuffed endotracheal tube will prevent aspiration. Consult a poison control center.

### PHYSICAL DATA

Boiling Point (°F): 281 - 285	Melting Point (°F): N/A
Vapor Pressure (mmHg): 6 @ 68°F	Specific Gravity (H <sub>2</sub> O = 1): .87
% Volatile by Volume: 100	Vapor Density (Air = 1): 3.7
Evaporation Rate (Butyl Acetate = 1): 0.6	Solubility in Water: Negligible

Appearance and Odor: Colorless liquid - Aromatic Odor

### FIRE AND EXPLOSION HAZARDS

Flash Point and Method Used: 81°F (TCC)

	Lower	Upper
Flammable Limits/% Volume in Air:	1.0	7.0

Extinguishing Media: Use water spray or fog, foam, dry chemical or CO<sub>2</sub>. Do not use a direct water stream. Avoid accumulation of water as product will float.

Special Fire Fighting Procedures and Precautions: Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

### REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions and Materials to avoid: Avoid heat, sparks, open flames and oxidizing materials.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and unidentified organics may be formed during combustion.

### EMPLOYEE PROTECTION

Respiratory Protection: Use a NIOSH approved respirator as required to prevent overexposure. In accord with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

Protective Clothing: Wear gloves and other protective clothing as required to minimize skin contact. Wear safety glasses or goggles to prevent eye contact.

Additional Protective Measures: Use explosion-proof ventilation as required to control vapor concentrations.

### ENVIRONMENTAL PROTECTION

Spill or Leak Procedures:

**CAUTION!** High fire and explosion hazard when spilled. Do not use spark-generating equipment. Water fog may be used to suppress vapor cloud, but avoid contact of large amounts of water with actual spill area.

---

### ENVIRONMENTAL PROTECTION (cont'd)

---

**Large Spills:** Eliminate all sources of ignition. Evacuate the area of all nonessential personnel. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with a noncombustible absorbent such as clay or vermiculite and place in drums for disposal. Flush area with water to remove trace residue and dispose of flush solutions in drums.

**Small Spills:** Soak up with noncombustible absorbent and place in drums. Flush area with water, collect flush solutions for disposal.

**Waste Disposal:** Dispose of in an approved waste disposal facility in compliance with all federal and state regulations. Drums must be tightly sealed and labeled properly.

**Environmental Hazards:** The xylene in this product is designated as a hazardous substance under the Clean Water Act. **KEEP OUT OF SURFACE WATERS OR SEWERS ENTERING OR LEADING TO SURFACE WATERS.**

---

### SPECIAL PRECAUTIONS

---

Store away from oxidizing materials in a cool, dry place with adequate explosion-proof ventilation. Keep away from heat, sparks and open flames. Ground equipment to prevent accumulation of static charge. If pouring or transferring materials, containers must be electrically interconnected and grounded. Keep containers tightly sealed.

Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. Destroy contaminated leather items including shoes that cannot be decontaminated.

---

### OTHER REGULATORY CONTROLS

---

#### EPA - Clean Water Act (CWA)

This product is classified as a hazardous substance under Section 311 of the Clean Water Act. Spills entering (a) surface waters or (b) any watercourses or sewers entering/leading to surface waters **MUST** be reported immediately to the National Response Center, 800-424-8802. The reportable quantity for xylene is 1000 lbs.

#### EPA - Resource Conservation and Recovery Act (RCRA)

This product has been designated by the EPA (RCRA 40 CFR 261.33) as a hazardous waste if it is spilled, discarded or intended to be discarded as is. The EPA hazardous waste number for xylene is U239.

---

REPORT NUMBER: 703  
MSDS NO: DW90684

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 001

VERSION: 005

VERSENE (R) 100 CHELATING AGENT

EFFECTIVE DATE: 01/23/92

ORDER NO: 100704

PROD NO : 379870

ELECTRIC SUBMERSIBLE  
PUMPS , INC  
8426 N. EL PASO

HOBBS ,NM 88240

VAN WATERS & ROGERS INC. , SUBSIDIARY OF UNIVAR (206)889-3400  
6100 CARILLON POINT , KIRKLAND , WA 98033

-----EMERGENCY ASSISTANCE-----

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC  
(800)424-9300

----- FOR PRODUCT AND SALES INFORMATION -----

CONTACT YOUR LOCAL VAN WATERS & ROGERS BRANCH OFFICE AT  
VW&R ODESSA 915-366-3243 ODESSA , TX

Product Name:

VERSENE (R) 100 CHELATING AGENT

VW&R MSD Number: DW90684

1. INGREDIENTS: (% w/w, unless otherwise noted)

Tetrasodium salt of		
ethylenediaminetetraacetic acid	CAS# 000064-02-8	37%
Disodium ethylenediaminediacetate	CAS# 038011-25-5	1%
Trisodium ethylenediaminetriacetate	CAS# 019019-43-3	1%
Trisodium nitrilotriacetate	CAS# 005064-31-3	1%
Sodium hydroxide	CAS# 001310-73-2	1%
Sodium glycolate	CAS# 002836-32-0	3%
Water	CAS# 007732-18-5	56%

(active ingredients calculated as tetrasodium  
ethylenediaminetetraacetate - 39%)

This document is prepared pursuant to the OSHA Hazard  
Communication Standard (29 CFR 1910.1200). In addition, other  
substances not 'Hazardous' per this OSHA Standard may be listed.  
Where proprietary ingredient shows, the identity may be made  
available as provided in this standard.

2. PHYSICAL DATA:

PRODUCT 300 Plastics Oil

HAZARD RATING  
4 - EXTREME  
3 - HIGH  
2 - MODERATE  
1 - SLIGHT  
0 - INSIGNIFICANT

Fire  
Reactivity  
Toxicity  
Special

## SECTION I

WITCO MANUFACTURING DIVISION OR SUBSIDIARY

1 Sonneborn Division

ADDRESS (NUMBER, STREET, CITY, STATE, ZIP CODE)

2 P.O. Box 336, Petrolia, PA. 16050

P.O. Box 308

Gretna, LA. 70054

CHEMICAL NAME OR FAMILY

3 White Mineral Oil, USP

FORMULA

A mix of liquid hydro-  
4 carbons refined from petroleum.

EMERGENCY TELEPHONE (504)  
MANUFACTURER 386-7281  
412 756-2210  
CHEM TREC 1-(800) 424-9300

## SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

## CHEMICAL

## PHYSICAL

HAZARDOUS DECOMPOSITION PRODUCTS

5 Upon combustion, CO<sub>2</sub> and CO are generated.

INCOMPATIBILITY (KEEP AWAY FROM)

6 Keep away from flame, heat (150°F max.), and strong oxidizing agents.

LIST ALL TOXIC AND HAZARDOUS INGREDIENTS

7 None

FORM

8 Viscous liquid

ODOR

9 None

APPEARANCE

10 Colorless liquid

COLOR

11 None

SPECIFIC GRAVITY

12 (WATER = 1) &lt;1.0 @ 15°C

BOILING PT.

13 IBP > 230 °C  
> 450 °F

MELTING PT.

14 NA °C  
NA °FSOLUBILITY  
IN WATER

15 AT 25 °C Negligible

% VOLATILE  
(BY WT %)

16 Nil @ 25°C

EVAP. RATE

17 Nil @ 25°C

VAPOR PRESSURE

18 (mm Hg at 20 °C) &lt;.5mm

VAPOR DENSITY  
(AIR = 1)

19 NA

pH AS IS

20 pH ( ) NA

STRONG ACID ☐STRONG BASE ☐STABLE ☒UNSTABLE ☐21 VISCOSITY < 100 ☐  
SUS 100 OR > ☒  
AT 100 °F

## SECTION III - FIRE AND EXPLOSION DATA

SPECIAL FIRE FIGHTING PROCEDURES

24 Self-contained breathing apparatus is recommended for firefighters. Water-spray must be used with caution to prevent spread of flames.

FLASH POINT (METHOD USED)

26 ASTM D-92  
> 176 °C > 350 °F

FLAMMABLE LIMITS %

27 NDA

LOWER UPPER

EXTINGUISHING AGENTS

☒ DRYCHEMICAL ☒ CO<sub>2</sub>☒ WATERSPRAY ☒ FOAM☒ WATERFOG ☒ SAND/EARTH28 ☐ OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS

25 None

## SECTION IV - HEALTH HAZARD DATA

PERMISSIBLE CONCENTRATIONS (AIR)

29 5 mg/m<sup>3</sup> for mineral oil mist, Re: OSHA

EFFECTS OF OVEREXPOSURE

30 NDA

TOXICOLOGICAL PROPERTIES

31 NDA

EMERGENCY FIRST AID PROCEDURES

32 EYES - Flush with water. If irritation exists consult a physician.

33 SKIN CONTACT - NA

34 INHALATION - NA

35 IF SWALLOWED - Call a physician.

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

&lt; = LESS THAN

&gt; = MORE THAN

# Witco MATERIAL SAFETY DATA SHEET

DUCT 300 Plastics Oil

## SECTION V - SPECIAL PROTECTION INFORMATION

VENTILATION, TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL)	PROTECTIVE GLOVES
NA	None
36	EYE PROTECTION
RESPIRATORY PROTECTION (SPECIFY TYPE)	Chemical splash goggles
37	OTHER PROTECTIVE EQUIPMENT
NA	None
37	40

## SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP
Shut off leak, dike up spills, absorb with inert material such as sand, earth or vermiculite. Sweep up and dispose of in accordance with Federal, State and local regulations.
41
WASTE DISPOSAL
Use methods consistent with Federal, State and local regulations.
42

## SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Avoid heat (150°F max.), flame and oxidizing agents.
43

## SECTION VIII - TRANSPORTATION DATA

UNREGULATED BY D.O.T. <input checked="" type="checkbox"/>	U.S. D.O.T. PROPER SHIPPING NAME		
44	47	NA	
REGULATED BY D.O.T. <input type="checkbox"/>	U.S. D.O.T. HAZARD CLASS		I.D. NUMBER
45	48	NA	49 NA
TRANSPORTATION EMERGENCY INFORMATION	RQ	LABEL(S) REQUIRED	
	50 NA	51	NA
	FREIGHT CLASSIFICATION		
	52 Petroleum Oil NOIBN		
CHEM TREC	SPECIAL TRANSPORTATION NOTES		
1-(800) 424-9300	53		
46			

## SECTION IX - COMMENTS

300 P.O. is a fully refined white mineral oil meeting the requirements of the United States Pharmacopeia XXI as well as the requirements of the Food and Drug Administration as per CFR 172.878.
54
CAS #8042-47-5

SIGNATURE Paul G. Tietze	TITLE Manager, Technical Service	Tel: (212) 605-3908
REVISION DATE Dec. 1985	SENT TO ATTN: _____	DATE _____
SUPERSEDES _____	_____	_____

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.



# MATERIAL SAFETY DATA SHEET

MSDS NUMBER

60,030-5

PAGE 1

97367 (4-85)

24 HOUR EMERGENCY ASSISTANCE		GENERAL MSDS ASSISTANCE	
SHELL: 713-473-9461 CHEMTREC: 800-424-9300		SHELL: 713-241-4819	
ACUTE HEALTH 1	FIRE 1	REACTIVITY 0	HAZARD RATING LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4
*For acute and chronic health effects refer to the discussion in Section III			

**BE SAFE**READ OUR PRODUCT  
SAFETY INFORMATION  
...AND  
PASS IT ON(PRODUCT LIABILITY LAW  
REQUIRES IT)

SECTION I	NAME
PRODUCT	SHELL DIALA OIL AX
CHEMICAL NAME	MIXTURE (SEE SEC II-A)
CHEMICAL FAMILY	PETROLEUM HYDROCARBON; <del>SEVERELY HYDROTREATED LIGHT NAPHTHENIC DISTILLATE</del>
SHELL CODE	68702 69702 63702 63722

SECTION II-A		PRODUCT/INGREDIENT	
NO.	COMPOSITION	CAS NUMBER	PERCENT
P	SHELL DIALA OIL AX	MIXTURE	100
1	SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	64742-46-7	60-100
2	SEVERELY HYDROTREATED LIGHT NAPHTHENIC DISTILLATE	64742-53-6	0-40
3	BUTYLATED HYDROXY TOLUENE	128-37-0	<0.2

SECTION II-B		ACUTE TOXICITY DATA	
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	>10 ML/KG, RAT	>2 ML/KG, RAT	NOT AVAILABLE

BASED UPON DATA AVAILABLE TO SHELL, COMPONENT 3 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.1200).

## SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

### EYE CONTACT

BASED ON ESSENTIALLY SIMILAR PRODUCT TESTING PRODUCT IS PRESUMED TO BE NONIRRITATING TO THE EYES.

### SKIN CONTACT

BASED ON ESSENTIALLY SIMILAR PRODUCT TESTING PRODUCT IS PRESUMED TO BE SLIGHTLY IRRITATING TO THE SKIN. PROLONGED AND REPEATED CONTACT MAY RESULT IN VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR OIL ACNE.

### INHALATION

INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY CAUSE A MILD IRRITATION OF THE MUCOUS MEMBRANES OF THE UPPER RESPIRATORY TRACT.

### INGESTION

INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING OF VOMITUS INTO THE LUNGS) MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

**SIGNS AND SYMPTOMS**

IRRITATION AS NOTED ABOVE. ASPIRATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR.

**AGGRAVATED MEDICAL CONDITIONS**

PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

**SECTION IV OCCUPATIONAL EXPOSURE LIMITS**

NO.	OSHA		ACGIH		OTHER
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
P	5 MG/M3*	NONE	5 MG/M3*	10 MG/M3*	NONE

\*OIL MIST, MINERAL

**SECTION V EMERGENCY AND FIRST AID PROCEDURES****EYE CONTACT**

FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**SKIN CONTACT**

REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**INHALATION**

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

**INGESTION**

DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

**NOTE TO PHYSICIAN**

IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

**SECTION VI SUPPLEMENTAL HEALTH INFORMATION**

NONE IDENTIFIED.

**SECTION VII PHYSICAL DATA**

BOILING POINT: >300 (DEG F)	SPECIFIC GRAVITY: 0.883 (H2O=1)	VAPOR PRESSURE: NOT AVAILABLE (MM HG)
MELTING POINT: -60 (POUR POINT) (DEG F)	SOLUBILITY: NEGLIGIBLE (IN WATER)	VAPOR DENSITY: NOT AVAILABLE (AIR=1)
EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT AVAILABLE		VIS CS (40 DEG C) 9.07-9.3

PRODUCT NAME: SHELL DIALA(R) OIL AX

MSDS 60,030-5  
PAGE 3

APPEARANCE AND ODOR: WHITE LIQUID. SLIGHT HYDROCARBON ODOR.

---

## SECTION VIII

## FIRE AND EXPLOSION HAZARDS

---

FLASH POINT AND METHOD:  
295-310 DEG F (COC)

FLAMMABLE LIMITS /% VOLUME IN AIR  
LOWER: N/AVA UPPER: N/AVA

### EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

### SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE-PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

---

## SECTION IX

## REACTIVITY

---

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

### CONDITIONS AND MATERIALS TO AVOID:

AVOID HEAT, OPEN FLAMES, AND OXIDIZING MATERIALS.

### HAZARDOUS DECOMPOSITION PRODUCTS

THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

---

## SECTION X

## EMPLOYEE PROTECTION

---

### RESPIRATORY PROTECTION

IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SECTION IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

### PROTECTIVE CLOTHING

WEAR CHEMICAL-RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT. NO SPECIAL EYE PROTECTION IS ROUTINELY NECESSARY. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

---

## SECTION XI

## ENVIRONMENTAL PROTECTION

---

### SPILL OR LEAK PROCEDURES

MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. \*\*\* LARGE SPILLS \*\*\* WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ADSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIALS; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. \*\*\* SMALL SPILLS \*\*\* TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

### WASTE DISPOSAL

PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

### ENVIRONMENTAL HAZARDS

THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SURFACE WATERS OR (B) ANY WATER COURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. 800-424-8602.

PRODUCT NAME: SHELL DIALA(R) OIL AX

MSDS 60,030-5  
PAGE 4

-----  
SECTION XII SPECIAL PRECAUTIONS  
-----

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

-----  
SECTION XIII TRANSPORTATION REQUIREMENTS  
-----

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS

-----  
SECTION XIV OTHER REGULATORY CONTROLS  
-----

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

-----  
THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.  
-----

DATE PREPARED: JULY 25, 1985  
-----

-----  
JOHN P. SEPESI  
-----

BE SAFE

READ OUR PRODUCT  
SAFETY INFORMATION ...AND PASS IT ON  
(PRODUCT LIABILITY LAW  
REQUIRES IT)

SHELL OIL COMPANY  
PRODUCT SAFETY AND COMPLIANCE  
P. O. BOX 4320  
HOUSTON, TX 77210

SCHEDULED SERVICE WEEK	SCHEDULED SERVICE TERRITORY	REFERENCE NUMBER
94- 2	03	948982
82	MANIFEST NUMBER	XXXXX



**CUSTOMER**

# GENERATOR

TRANSPORTER

5-563-2305 TOM NUSS

LDR NCT REQ'D

0-220 1A

6-002-02-0582

ESP

P 030X 596

H0333

NM 88241

24 89240

B  
I  
L  
L

SERVICE DATE		SALESMAN'S NO.		SALES SPECIALIST		SALES TAX EXEMPTION NUMBER		HANDLING CODE		CREDIT CODE		PREVIOUS BALANCE		PORTION OVER 60 DAYS			
1-12-94		0109		XXXX						C							
BUSINESS TYPE	CHAIN	CUSTOMER P.O. NUMBER				GENERATOR/CUSTOMER PHONE #		O.C.		SVC P/S	PROD. P/S	SERVICE TAX		C.O.M.S. TAX		PRODUCT TAX	
07	NO					505-392-7999		YES		911	001	.05		.05		.05	

## MACHINE SERVICE SECTION

MACHINE NUMBER	SERVICE CHARGE	SALES TAX	TOTAL CHARGE	SERVICE TERM	CHANGE SERVICE TERM		CHANGE SCHEDULE DATE	REMARKS	PLEASE CHECK APPROPRIATE BOXES	
					(WEEKS)	(INITIAL)			(YY MM)	GOOD
113-33527	134.75	6.74	141.49	12						
									MACHINE CONDITION & CLEANLINESS	<input checked="" type="checkbox"/> <input type="checkbox"/>
									LAMP ASSEMBLY CONDITION	<input checked="" type="checkbox"/> <input type="checkbox"/>
										YES NO
									DECALS IN PLACE AND LEGIBLE	<input checked="" type="checkbox"/> <input type="checkbox"/>
									FUSIBLE LINK INSTALLED	<input checked="" type="checkbox"/> <input type="checkbox"/>
									EMERGENCY CLOSING OF LID UNOBSTRUCTED	<input checked="" type="checkbox"/> <input type="checkbox"/>
									MACHINE PROPERLY GROUNDED	<input checked="" type="checkbox"/> <input type="checkbox"/>
									LOCAL PHONE NO. STICKER AFFIXED TO MACHINE	<input checked="" type="checkbox"/> <input type="checkbox"/>
									SPENT SOLVENT MEETS ACCEPTANCE CRITERIA	<input checked="" type="checkbox"/> <input type="checkbox"/>
TOTAL SERVICE SECTION	134.75	6.74	141.49	GENERATOR USA EPA ID NO.			GENERATOR STATE ID NO.		32-065-3130	
				CESQG			99930			

**HAZARDOUS WASTE INFORMATION:**

\*This is to certify that the below-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

I certify that my total waste streams are within one of the following categories:

CONTAINERS					US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)	USEPA TRANSPORTER ID# 1LD984908202	the following categories:
PAILS NO. DM	SSPW TANKS OF	16 GAL. NO. DM	30 GAL. NO. DM	TOTAL LBS. OR GAL.			
					Waste Combustible Liquid, N.O.S. (Petroleum Naphtha) (IN GALLONS) 30 GAL. DRUMS NA1993 PGIII (EPA, D001, D018, D039) (ERG #27)	0 to 220 lbs./month	
					RQ Waste Combustible Liquid, N.O.S. (Petroleum Naphtha) (IN GALLONS) 30 GAL. DRUMS NA 1993 PGIII (EPA, D001, D018, D039) (ERG #27)	220 lbs. to 2,200 lbs./month	
		1		10	RQ Waste Compounds, Cleaning Liquid, (Monoethanolamine) IN GALS PRODUCT NO. 699 8, NA1760 PGII (EPA, D006, D007, D008, D018, D021, D027, D039, D040) (ERG #50)	Greater than 2,200 lbs./month	

$$\text{Total Quantity} = \text{Number of Drums} \times \text{Ave. Wt/Drum of Balls}$$

DESIGNATED FACILITY NAME AND ADDRESS:	SAFETY-KLEEN CORP.	USA EPA.ID NO.	TX0981056690
10607 W C R 127	MIDLAND, TX 79711	STATE ID NO.	72378

**PRODUCT SALES SECTION**[illegible]**PAYMENT RECEIVED SECTION**

<b>CASH</b> <input type="checkbox"/>	<b>TOTAL RECEIVED</b>	<b>APPLY PAYMENT TO:</b>
<b>CHECK NUMBER</b>	<input type="checkbox"/> <b>TODAYS SERVICE/SALE</b> <input type="checkbox"/> <b>PREVIOUS BALANCE AS FOLLOWS</b>	

INV. # _____	AMOUNT \$ _____
INV. # _____	AMOUNT \$ _____
INV. # _____	AMOUNT \$ _____

## TOTAL PRODUCT AMOUNTS

CHARGE MY ACCOUNT FOR THIS TRANSACTION. I HEREBY AGREE TO PAY THE AMOUNT OTHERWISE INDICATED IN THE ADVERTISING RECEIVED SECTION, THE RECLAMATION AGREEMENT, ADDITIONAL TERMS AND CONDITIONS, AND ANY OTHER INFORMATION APPEARING ON THE REVERSE SIDE ARE MADE A PART HEREOF. THE ABOVE AMOUNT IS SUBJECT TO AN INTEREST CHARGE ON THE LESSOR OF 1% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY UNPAID INVOICES THAT ARE NOT PAID WITHIN 30 DAYS.

TOTAL SERVICE AMOUNT (FROM ABOVE)	141.49
TOTAL DUE	

IN THE EVENT OF DEFAULT, SAFETY-KLEEN SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.

**IN EVENT OF EMERGENCY CALL  
1-708-888-4660 (24 hours)**

GENERATOR/DESIGNATED REPRESENTATIVE SIGNATURE \_\_\_\_\_

SEE REVERSE SIDE FOR IMPORTANT INFORMATION



BOX 1800 • ELGIN, IL 60121  
708/697-8460

ACCOUNT NUMBER 6-002-02-3318-4E		CUSTOMER NAME S P		CUST. ORDER NO.	
STOCK NO./SERVICE 110-53507	DESCRIPTION MACH SVC	QUANTITY	UNIT COST	TOTAL * 141.49	SERVICE DATE 01-12-94
					INVOICE NUMBER 948982
					* SALES TAX INCLUSIVE 6.74
					PAY THIS AMOUNT BY 01-29-94
					141.49

0014149 RETURN THIS PORTION WITH PAYMENT 6-002-02-0582  
8426 N DALPASO HOBBS NM 88240

948982 600202331840014149000674

E.S.P. - HOBBS

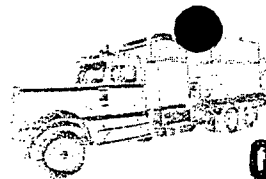
E S P  
P 080X 59b  
HOBBS NM 88241

APPROVED BY: SL  
DATE: 1-25-94

HO 19528

P.O. Box 2724  
Lubbock, Texas 79408  
(806) 744-6278

**Sonny's**  
OILFIELD SERVICE, INC.

**ORIGINAL INVOICE**Name ELECTRIC SUBMERSIBLE PUMP

Address \_\_\_\_\_

DATE 01-03-94Lease HOBBS YARD

Well No. \_\_\_\_\_

Order # \_\_\_\_\_

DESTINATION FROM: \_\_\_\_\_

TO: \_\_\_\_\_

CODE	DESCRIPTION OF WORK	RATE	HOURS BBLs.	AMOUNT
	FURNISHED TRANSPORT TO EMPTY SUMP.	57.00	2	114.00
	DISPOSAL FEE - 65 BBLs.	.25	65	16.25

Time Start 8:00 AM Type Fld. Used \_\_\_\_\_Time Stop 10:00 AM Equipment 225Total Hours 2 Mileage \_\_\_\_\_Operator: HARRIS LEE

Company Representative: \_\_\_\_\_

TERMS: Net 30 Days from Date of Invoice, 1 1/2% per Month (18% per Annum) Charge in Advance  
Accounts. Payable in Hobbs, Lea County, New Mexico.

Date \_\_\_\_\_ Accepted \_\_\_\_\_

APPROVED BY: [Signature]  
DATE: 1-26-94

Fuel Adj. Cost \_\_\_\_\_

Sub Total 130.25Tax 7.16

Chemical \_\_\_\_\_

Brine Water \_\_\_\_\_

Fuel \_\_\_\_\_

Fresh Water \_\_\_\_\_

TOTAL 137.41

White - File Copy

Green - Accounting Copy

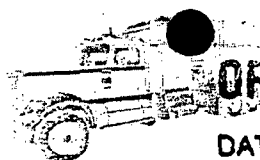
Canary - Invoice Copy

Pink - Yard Copy

Gold - Customer Copy

P.O. Box 2724  
Lubbock, Texas 79408  
(806) 744-6278

**Sonny's**  
OILFIELD SERVICE, INC.



HO 19590

**ORIGINAL INVOICE**

DATE

Date

01-12-94

Lease

HOBBS YARD

Well No.

Order #

Name ELECTRIC SUBMERSIBLE PUMP

Address \_\_\_\_\_

DESTINATION FROM: HOBBS YARD

TO: ARAHO, INC.

CODE	DESCRIPTION OF WORK	RATE	HOURS BBLs.	AMOUNT
	FURNISHED TRANSPORT TO EMPTY TANKS.	57.00	2	114.00
	75- BBLs.- DISPOSAL FEE	.25	75	18.75

Time Start 1:00 PM Type Fld. Used PRODUCED WATER

Time Stop 3:00 PM Equipment 257

Total Hours 2 Mileage 30

Operator: MICHAEL W. JONES

Company Representative: \_\_\_\_\_

TERMS: Net 30 Days from Date of Invoice, 1 1/2% per Month (18% per Annum) CHOBBS Past Due  
Accounts. Payable in Hobbs, Lea County, New Mexico.

Date \_\_\_\_\_ Accepted \_\_\_\_\_

APPROVED BY: SD  
DATE: 1-21-94

Fuel Adj. Cost

Sub Total 132.75

Tax 7.30

Chemical

Brine Water

Fuel

Fresh Water

TOTAL 140.05

White - File Copy

Green - Accounting Copy

Canary - Invoice Copy

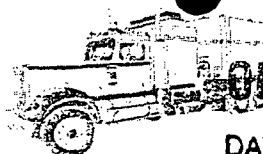
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Gold - Customer Copy

P.O. Box 2724  
Lubbock, Texas 79408  
(806) 744-6278

# Sonny's

OILFIELD SERVICE, INC.



HO 19673

ORIGINAL INVOICE

DATE

Date

1-31-94

Name ELECTRIC SUBMERSIBLE PUMP

Address \_\_\_\_\_

Lease

HOBBS YARD

Well No. \_\_\_\_\_

Order # \_\_\_\_\_

DESTINATION FROM: LOCATION

TO: FANNING

CODE	DESCRIPTION OF WORK	RATE	HOURS BBLs.	AMOUNT
	FURNISHED TRANSPORT TO EMPTY SUMP.	57.00	2	114.00
	DISPOSAL FEE- 60 BBLs.	.25	60	15.00

Time Start 8:00 AM Type Fld. Used PRODUCED WATER

Time Stop 10:00 AM Equipment 145

Total Hours 2 Mileage 30

Operator: GERALD W. SLADE

Company Representative: \_\_\_\_\_

TERMS: Net 30 Days from Date of Invoice, 1 1/2% per Month (18% per Annum) Charge on Past Due Accounts. Payable in Hobbs, Lea County, New Mexico.

APPROVED BY: SD  
DATE: 2-9-94  
Date \_\_\_\_\_ Accepted \_\_\_\_\_

Fuel Adj. Cost

Sub Total 129.00

Tax 7.10

Chemical

Brine Water

Fuel

Fresh Water

TOTAL 136.10

White - File Copy

Green - Accounting Copy

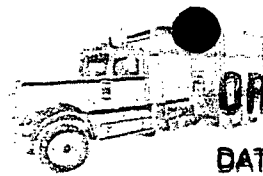
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Pink - Yard Copy

Gold - Customer Copy

P.O. Box 2724  
Lubbock, Texas 79408  
(806) 744-6278

**Sonny's**  
OILFIELD SERVICE, INC.



HO 19619

**ORIGINAL INVOICE**

DATE

Date 01-18-94

Name ELECTRIC SUBMERSIBLE PUMP

Address \_\_\_\_\_

Lease

HOBBS YARD

Well No. \_\_\_\_\_

Order # \_\_\_\_\_

DESTINATION FROM: LOCATION

TO: ARAHO, INC.

CODE	DESCRIPTION OF WORK	RATE	HOURS BBLs.	AMOUNT
	FURNISHED TRANSPORT TO HAUL PRODUCED WATER.	57.00	2	114.00
	DISPOSAL FEE - 30 BBLs.	.25	30	7.50

Time Start 9:00 AM Type Fld. Used PRODUCED WATER

Time Stop 11:00 AM Equipment 231

Total Hours 2 Mileage 34

Operator: ELIAS ACOSTA

Company Representative: \_\_\_\_\_

TERMS: Net 30 Days from Date of Invoice, 1 1/2% per Month (18% per Annum) Charge on Past Due  
Accounts. Payable in Hobbs, Lea County, New Mexico.

Date \_\_\_\_\_ Accepted \_\_\_\_\_

APPROVED BY OL  
DATE 1-26-94

Fuel Adj. Cost

Sub Total 121.50

Tax 6.68

Chemical

Brine Water

Fuel

Fresh Water

TOTAL 128.18

White - File Copy

Green - Accounting Copy

Canary - Invoice Copy

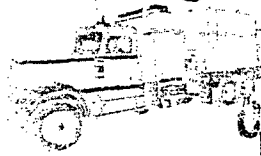
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Gold - Customer Copy

H O 19475

P.O. Box 2724  
Lubbock, Texas 79408  
(806) 744-6278

**Sonny's**  
OILFIELD SERVICE, INC.



**ORIGINAL INVOICE**

Date 12-22-93

Name ELECTRIC SUBMERSIBLE PUMP

Address \_\_\_\_\_

Lease HOBBS YARD

Well No. \_\_\_\_\_

Order # \_\_\_\_\_

DESTINATION FROM LOCATION TO HOBBS STATE #3

CODE	DESCRIPTION OF WORK	RATE	HOURS BBLs.	AMOUNT
	FURNISHED TRANSPORT TO EMPTY TANK FOR DISPOSAL.	57.00	2	114.00
	DISPOSAL FEE - 80 BBLs.	.25	80	20.00

Time Start 9:00 AM Type Fld. Used \_\_\_\_\_

Time Stop 11:00 AM Equipment 257

Total Hours 2 Mileage 8

Operator: MICHAEL W. JONES

Company Representative: \_\_\_\_\_

TERMS: Net 30 Days from Date of Invoice, 1 1/2% per Month (18% per Annum) Charge on Past Due Accounts. Payable in Hobbs, Lea County, New Mexico.

APPROVED BY: [Signature]

Date \_\_\_\_\_ Accepted DATE: 1-26-94

Fuel Adj. Cost

Sub Total 134.00

Tax 7.37

Chemical

Brine Water

Fuel

Fresh Water

TOTAL 141.37

White - File Copy

Green - Accounting Copy

Canary - Invoice Copy

Pink - Yard Copy

Gold - Customer Copy

P.O. Box 2724  
Lubbock, Texas 79408

STATEMENT

**Sonny's**  
OILFIELD SERVICE, INC.

(806) 744-6278

REMIT TO: **SONNY'S**  
**OILFIELD SERVICES, INC.**  
P.O. BOX 2724  
LUBBOCK, TEXAS 79408-2724

**BIG SPRING • POST • LUBBOCK • LEVELLAND • DILLEY • HOBBS**  
**LAMESA • DENVER CITY • GOLDSMITH • PERRYTON • SEMINOLE • ANDREWS**

PLEASE REMOVE  
AND RETURN THIS  
PORTION WITH PAYMENT

PAGE 1

ELECTRIC SUBMERSIBLE  
P. O. BOX 596  
HOBBS NM 88241

2/28/94  
DATE  
ACCOUNT NUMBER  
031500

2/28/94  
DATE  
ACCOUNT NUMBER  
031500

DATE	INVOICE #	REFERENCE	CHARGES	CREDITS	INVOICE #	NET AMOUNT
1/31/94	H09673	* INVOICE NUMBER	136.10		H09673	136.10
2/15/94	H09727	* INVOICE NUMBER	138.73		H09727	138.73
2/28/94	H09790	* INVOICE NUMBER	144.01		H09790	144.01
<p><i>Please attend to! SD</i></p> <p><b>E.S.P. • HOBBS</b></p> <p>APPROVED BY: <u>SD</u> DATE: <u>3-9-94</u></p>						

90 DAYS PAST DUE	60 DAYS PAST DUE	30 DAYS PAST DUE	CURRENT	TOTAL AMOUNT DUE
.00	.00	136.10	282.74	418.84

TOTAL AMOUNT DUE
418.84

**OUR BOOKS CLOSE THE LAST DAY OF EACH MONTH**  
TERMS: NET 30 DAYS FROM DATE OF INVOICE. 1 1/2% PER MONTH (18% PER ANNUM)  
CHARGE ON PAST DUE ACCOUNTS.

**Hobbs, New Mexico**

1-3-94  
DATE

R.R.C. #

225  
TRUCK

X Ray Waller  
ACCEPTED

BRINE	
FRESH	
TAX	
TOTAL	

DATE \_\_\_\_\_

TOP GAUGE \_\_\_\_\_ BOTTOM GAUGE \_\_\_\_\_

P.O. Box 2724  
Lubbock, Texas 79408

STATEMENT  
**Sonny's**  
OILFIELD SERVICE, INC.

(806) 744-6278

REMIT TO:  
**SONNY'S**  
OILFIELD SERVICES, INC.  
P.O. BOX 2724  
LUBBOCK, TEXAS 79408-2724

PLEASE REMOVE  
AND RETURN THIS  
PORTION WITH PAYMENT

BIG SPRING • POST • LUBBOCK • LEVELLAND • DILLEY • HOBBS  
AMESA • DENVER CITY • GOLDSMITH • PERRYTON • SEMINOLE • ANDREWS

PAGE 1

1

ELECTRIC SUBMERSIBLE  
P. O. BOX 596  
HOBBS

NM 88241

1/31/94  
DATE  
ACCOUNT NUMBER  
031500

1/31/94  
DATE  
ACCOUNT NUMBER  
031500

DATE	INVOICE #	REFERENCE	CHARGES	CREDITS	INVOICE #	NET AMOUNT
12/31/93	H09475	* INVOICE NUMBER	141.37		H09475	141.37
1/14/94	H09528	* INVOICE NUMBER	137.41		H09528	137.41
1/24/94	H09590	* INVOICE NUMBER	140.05		H09590	140.05
	H09619	* INVOICE NUMBER	128.18		H09619	128.18
1/31/94	H09673	* INVOICE NUMBER	136.10		H09673	136.10

E.S.P. - HOBBS

APPROVED BY: SP  
DATE: 2-24-94

90 DAYS PAST DUE	60 DAYS PAST DUE	30 DAYS PAST DUE	CURRENT	TOTAL AMOUNT DUE
0.00	0.00	141.37	541.74	683.11

TOTAL AMOUNT DUE
683.11

OUR BOOKS CLOSE THE LAST DAY OF EACH MONTH

TERMS: NET 30 DAYS FROM DATE OF INVOICE. 1 1/2% PER MONTH (18% PER ANNUM)  
CHARGE ON PAST DUE ACCOUNTS.

P.O. Box 2724  
Lubbock, Texas 79408

STATEMENT  
**Sonny's**  
OILFIELD SERVICE, INC.

(806) 744-6278

REMIT TO: **SONNY'S**  
**OILFIELD SERVICES, INC.**  
P.O. BOX 2724  
LUBBOCK, TEXAS 79408-2724

BIG SPRING • POST • LUBBOCK • LEVELLAND • DILLEY • HOBBS  
LAMESA • DENVER CITY • GOLDSMITH • PERRYTON • SEMINOLE • ANDREWS

PLEASE REMOVE  
AND RETURN THIS  
PORTION WITH PAYMENT

PAGE 1

ELECTRIC SUBHERSTIBLE  
P. O. BOX 596  
HOBBS NH 88241

12/31/93  
DATE  
ACCOUNT NUMBER  
031500

12/31/93  
DATE  
ACCOUNT NUMBER  
031500

DATE	INVOICE #	REFERENCE	CHARGES	CREDITS	INVOICE #	NET AMOUNT
11/30/93	H09187	* INVOICE NUMBER	146.65		H09187	146.65
	H09307	* INVOICE NUMBER	141.37		H09307	141.37
12/15/93	H09378	* INVOICE NUMBER	134.78		H09378	134.78
12/29/93	H09443	* INVOICE NUMBER	141.37		H09443	141.37
12/31/93	H09475	* INVOICE NUMBER	141.37		H09475	141.37

E.S.P. - HOBBS  
APPROVED BY: [Signature]  
DATE: 1-14-94

E.S.P. - HOBBS  
APPROVED BY: [Signature]  
DATE: 1-14-94

0 DAYS PAST DUE	60 DAYS PAST DUE	30 DAYS PAST DUE	CURRENT	TOTAL AMOUNT DUE
.00	.00	288.02	417.52	705.54

TOTAL AMOUNT DUE
705.54

OUR BOOKS CLOSE THE LAST DAY OF EACH MONTH.

TERMS: NET 30 DAYS FROM DATE OF INVOICE. 1 1/2% PER MONTH (18% PER ANNUM)  
CHARGE ON PAST DUE ACCOUNTS.

ELECTRIC SUBMERSIBLE PUMPS, INC.  
POST OFFICE BOX 596  
HOBBS, NM 88241  
TELEPHONE NUMBER: (505) 392-7999  
FAX NUMBER: (505) 392-8190

FAX NUMBER: \_\_\_\_\_

DATE: 3-31-94 ATTN: Wayne Price

COMPANY NAME: \_\_\_\_\_

FROM: ESP Hobbs

COMMENTS: waste water test

NUMBER OF PAGES: 5 (INCLUDING FAX COVER SHEET)

**SOUTHWESTERN LABORATORIES**

1703 West Industrial Avenue \* P.O. Box 2150, Midland, Texas 79702 \* 915/683-3349

Client Electric Submersible Pumps  
P.O. Box 80130  
Midland, Tx. 79709

Client No. 5234720  
Report No. M3-06-166  
Report Date 07/01/93 09:52

Attn: Robert Lannon

Project Hobbs Station

Date Sampled 08/14/93Sampled By Steve DennisSample Type WaterTransported by Robert Lannon

P.O. # \_\_\_\_\_

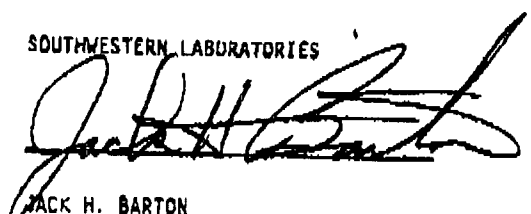
Date Received 08/17/93

Lab No.  
M3-06-188-01

Sample Identification  
Waste Tank

Reviewed By 

SOUTHWESTERN LABORATORIES

  
JACK H. BARTON

TCLP Metals & pH ok Ref 7/7/93

03/31/94 11:14 89156884159

ESP

ESP HOBBS

004/004

Order # M3-06-166

Page 3

07/01/93 09:52

TEST RESULTS BY SAMPLE

Client: Electric Submersible Pumps

Sample Description: Waste Tank

Lab No: D1A

Test Description: TCLP METALS

Method: SW-846

Test Code: TCLP\_M

Collected: 06/14/93

Element	Result	Regulatory Limit	Units	Date Started	Analyst	Method
TCLP METALS						
ARSENIC	< 0.05	5.0	mg/L	06/30/93	GMB	SW-846, 7061
BARIUM	< 0.5	100	mg/L	06/30/93	GMB	SW-846, 7080
CADMIUM	< 0.1	1.0	mg/L	06/30/93	GMB	SW-846, 7130
CHROMIUM	< 0.2	5.0	mg/L	06/30/93	GMB	SW-846, 7190
LEAD	< 0.5	5.0	mg/L	06/30/93	GMB	SW-846, 7470
MERCURY	< 0.01	0.20	mg/L	06/28/93	GMB	SW-846, 7470
SELENIUM	< 0.05	1.0	mg/L	06/30/93	GMB	SW-846, 7741
SILVER	< 0.1	5.0	mg/L	06/30/93	GMB	SW-846, 7760

03/31/94 11:14

915098415

ESP

HOBBS

003/004

Order # M3-06-186

Page 2

07/01/93 09:52

TEST RESULTS BY SAMPLE

Client: Electric Submersible Pumps

Sample: 01A Waste Tank

Collected: 06/14/93

<u>Test Name</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Detection</u>	<u>Date</u>	<u>Limit</u>	<u>Started</u>	<u>Analyst</u>
CORROSIVITY - pH	SW-846, 9040	5.29	pH Units				06/22/93	WJJ
TCLP PREP.	SW-846, 1311	06/23/93	Date				06/23/93	WCR

3/31/94 11:14

9156994150

ESP

ESP HOBBS

0001/004

Post-It™ brand fax transmittal memo 7671		# of pages > 4
To Steven Densen	From Robert Lannem	
Co. ESP-Hobbs	Co. ESP-Midland	
Depj.	Phone # 915-699-7401	
Fax #	Fax # 915-699-4152	

E.S.P. Wastewater Lab Test Results: SUMMARY - 1993  
For E.P.A. Hazardous Waste Compliance

E.P.A. TOXIC WASTE PARAMETER	E.P.A. Regulatory Limits(MG/L)	E.S.P. Midland	E.S.P. Snyder	E.S.P. Hobbs	E.S.P. Puroell
Arsenic	5.0000	<0.1	<0.1	<0.05	<0.5
Barium	100.0000	<1.00	<0.5	<0.5	<0.57
Cadmium	1.0000	<0.10	<0.10	<0.10	<0.01
Chromium	5.0000	<0.30	<0.50	<0.20	0.1100
Lead	5.0000	<1.00	<0.50	<0.50	0.1000
Mercury	0.2000	<0.01	<0.01	<0.01	0.0002
Selenium	1.0000	<0.10	<0.10	<0.05	<0.50
Silver	5.0000	<0.20	<0.10	<0.10	<0.01
pH-(corrosivity)	2.0<OK<12.5	8.9200	6.9400	6.2900	6.0900
SUMMARY...		OK	OK	OK	OK