

**Shell**

MATERIAL SAFETY DATA SHEET

97002 (REV 1-83)

MSDS NUMBER ► 9,610-3

PAGE 1 OF 1

SECTION I		NAME							
PRODUCT	► Shell Medium Aromatic Treating Oil	24 HOUR EMERGENCY ASSISTANCE SHELL 713-473-9461 CHEMTREC 800-424-9300 HAZARD RATING LEAST 0 ► SLIGHT 1 ► MODERATE 2 ► HIGH 3 ► EXTREME 4 <table border="1"><tr><td>HEALTH</td><td>2</td></tr><tr><td>FIRE</td><td>1</td></tr><tr><td>REACTIVITY</td><td>0</td></tr></table>		HEALTH	2	FIRE	1	REACTIVITY	0
HEALTH	2								
FIRE	1								
REACTIVITY	0								
CHEMICAL/ SYNONYMS	► Petroleum Oil								
CHEMICAL FAMILY	► Hydrocarbon								
SHELL CODE	► 84050	C.A.S. NUMBER	► Mixture						

SECTION II		INGREDIENTS	
COMPOSITION	%	TOXICITY DATA	
Shell Medium Aromatic Treating Oil	100	Not Determined	

Shell Medium Aromatic Treating Oil is a complex mixture of predominantly C ₁₃ through C ₃₀ petroleum hydrocarbons the majority of which are aromatic.			

SECTION III	HEALTH INFORMATION
<p>Exposure to vapors or mist of this product may cause pulmonary irritation, dizziness and nausea. Prolonged or repeated contact may cause various skin disorders such as dermatitis, folliculitis or oil acne.</p> <p>The petroleum hydrocarbons in this product are a complex mixture of paraffinic, naphthenic and aromatic hydrocarbons. As in other petroleum oils, the aromatics contain polycyclic compounds of various concentrations and structures. Some of these polycyclics may be those which have been shown to induce cancer in animals under laboratory conditions. Epidemiologic studies on other petroleum products containing polycyclic aromatics suggested the possibility of skin cancer induction in man after prolonged and repeated contact. Inhalation of mists arising from oils containing these materials may also present a cancer hazard.</p> <p>This specific product has not been tested in long-term, chronic exposure tests. Therefore, the presence of polycyclic aromatic hydrocarbons requires that handling procedures and safety precautions in this MSDS be followed to minimize employees' exposure.</p>	

SECTION IV	OCCUPATIONAL EXPOSURE LIMITS
Particulate (mist) polycyclic aromatic hydrocarbons, as benzene solubles: ACGIH-TLV/TWA = 0.2 mg/m ³ .	



MATERIAL SAFETY DATA SHEET

MSDS NUMBER

9,610-3
PAGE 2 OF 4

97003 (1-81)

SECTION V**EMERGENCY AND FIRST AID PROCEDURES**

EYE CONTACT: Flush with water for 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT: Remove contaminated clothing and wipe excess off. Wash with soap and water or a waterless hand cleaner followed by soap and water. Do not reuse clothing until thoroughly cleaned. If irritation persists, 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 THE 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**PHYSICAL DATA**

BOILING POINT (°E) ▶ 420-730

MELTING POINT (°F) ▶ N.A.

VAPOR PRESSURE (mmHg) ▶ N.A.

SPECIFIC GRAVITY (H₂O=1) ▶ 0.92

% VOLATILE BY VOLUME ▶ N.A.

VAPOR DENSITY (AIR=1) ▶ N.A.

SOLUBILITY IN WATER ▶ Insoluble

EVAPORATION RATE (BUTYL ACETATE=1) ▶ N.A.

N.A. = Not Available

APPEARANCE AND ODOR

Light brown oil. Hydrocarbon odor.

SECTION VII**FIRE AND EXPLOSION HAZARDS**

FLASH POINT AND METHOD USED

200°F PMCC (minimum)

FLAMMABLE LIMITS/% VOLUME IN AIR

LOWER

UPPER

N.A.

N.A.

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

Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus. Cool fire-exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None unusual.



MATERIAL SAFETY DATA SHEET

MSDS NUMBER ▶

9,610-3
PAGE 3 OF 4

97004 (10-79)

SECTION VIII**REACTIVITY**

STABILITY ▶

☐

UNSTABLE

☒

STABLE

HAZARDOUS POLYMERIZATION ▶

☐

MAY OCCUR

☒

WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

Avoid heat, open flames, oxidizing materials and mist formation.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION IX**EMPLOYEE PROTECTION****RESPIRATORY PROTECTION**

If exposure may or does exceed occupational exposure limits (Sec.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 gloves and other protective clothing as required to minimize skin contact. Wear safety glasses or goggles to avoid eye contact.

ADDITIONAL PROTECTIVE MEASURES

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SECTION X**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 absorbent such as clay, sand or other suitable material; 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 an "oil" under the Clean Water Act. KEEP OUT OF SURFACE WATERS AND ANY WATER COURSES OR SEWERS ENTERING OR LEADING TO SURFACE WATERS. See Section XIII.



MATERIAL SAFETY DATA SHEET

MSDS NUMBER

9,610-3
PAGE 4 OF 4

97005 (REV. 7-82)

SECTION XI**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 XII**TRANSPORTATION REQUIREMENTS**

DEPARTMENT OF TRANSPORTATION CLASSIFICATION	<input type="checkbox"/> FLAMMABLE LIQUID	<input type="checkbox"/> COMBUSTIBLE LIQUID	<input type="checkbox"/> OXIDIZING MATERIAL	<input type="checkbox"/> NON-FLAMMABLE GAS
	<input type="checkbox"/> FLAMMABLE SOLID	<input type="checkbox"/> POISON, CLASS A	<input type="checkbox"/> CORROSIVE MATERIAL	<input checked="" type="checkbox"/> NOT HAZARDOUS BY D.O.T. REGULATIONS
	<input type="checkbox"/> FLAMMABLE GAS	<input type="checkbox"/> POISON, CLASS B	<input type="checkbox"/> IRRITATING MATERIAL	<input type="checkbox"/> OTHER—Specify below

D.O.T. PROPER SHIPPING NAME

None

OTHER REQUIREMENTS

Bill of Lading Commodity Description: Petroleum Distillate Fuel Oil.

SECTION XIII**OTHER REGULATORY CONTROLS**

EPA, FDA, OSHA, USDA, CPSC, etc.

EPA - Clean Water Act (CWA)

This product is classified as an oil under Section 311 of the Clean Water Act. Spills entering (a) surface waters or (b) any watercourses or sewers entering/leading to surface waters that cause a sheen MUST be reported to the National Response Center, 800-424-8802.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

BE SAFE

READ OUR PRODUCT
SAFETY INFORMATION
... AND
PASS IT ON

(PRODUCT LIABILITY LAW
REQUIRES IT)

John P. Lepore
Manager

SHELL OIL COMPANY
PRODUCT SAFETY AND COMPLIANCE
OIL AND CHEMICAL PRODUCTS
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DATE PREPARED

August 19, 1982