

EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP -- SHELL TURBO(R) OIL 78 (MEETS MIL-L-17331H) -- 9150-01-368-7076

===== Product Identification =====

Product ID:SHELL TURBO(R) OIL 78 (MEETS MIL-L-17331H)

MSDS Date:01/04/1999

FSC:9150

NIIN:01-368-7076

Status Code:A

MSDS Number: CLJWH

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZI

P:77267-4414

Country:US

Info Phone Num:877-276-7285

Emergency Phone Num:713-473-9461/800-424-9300(CHEMTREC)

Chemtrek Ind/Phone:(800)424-9300

CAGE:TO527

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:TO527

Company Name:SALATHE OIL CO INC

Address:2226 PETERS RD

Box:City:HARVEY

State:LA

ZIP:70058

Country:US

Phone:504-366-4542

Contract Num:SP0450-01-M-LG48

CAGE:0T5C6

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Composition/Information on Ingredients
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Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATES
CAS:64742-54-7
RTECS #:PY8035500
= Wt:99.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

Ingred Name:MINOR ADDITIVES
< Wt:1.
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO
Health Hazards Acute and Chronic:EYE-LUBRICATING OILS ARE GEN
ERALLY

CONSIDERED TO BE NO MORE THANMINIMALLY IRRITATING. SKIN-
LUBRICATING OILS ARE GENERALLY CONSIDERED TO BE NO MORE THAN
SLIGHTLY IRRITATING . PROLONGED & REPEATED CON TACT MAY RESULT IN
SKIN DISORDERS SUCH AS DERMATITIS, OIL ACNE OR FOLLICULITIS.
ACCIDENTAL RELEASE UNDER HIGH PRESSURE APPLICATIONS MAY RESULT IN
INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSI S.
INHALATION-INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES
ONLY) OR OIL MIST MAY CAUSE

A MILD IRRITATION THE OF UPPER

RESPIRATORY TRACT. INGESTION- LUBRICATING OILS ARE GENERALLY
CONSIDERED NO MORE THAN SLIGHTLYTOXIC IF SWALLOWED.

Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT
CLASSIFIED AS CARCINOGENS BY INTERNATIONAL AGENCY FOR RESEARCH ON
CANCER (IARC), NATIONAL TOXICOLOGY PROGRAM (NTP) OR OCCUPATIONAL
SAFETY AND HEALTH ADMINISTRATION (OSHA).

Effects of Overexposure:IRRITATION AS NOTED ABOVE. NECROSIS MAY BE
EVIDENCED BY DELA

YED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS
FOLLOWING HIGH PRESSURE INJECTION.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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First Aid Measures
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First Aid:EYE-FLUSH WITH WATER FOR 15 MINS WHILE HOLDING EYELIDS OPEN.
GET MEDICAL AID. SKIN-REMOVE CONTAMINATED CLOTHING & WIPE EXCESS
OFF. WASH WITH SOAP & WATER OR A WATERLESS HAND CLEANER FOLLOWED

BY SOAP & WATER. IF IRRITATION OCCURS, GET MEDICAL AID. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL AID PROMPTLY TO PREVENT SERIOUS DAMAGE; DO NOT WAIT FOR SYMPTOMS TO DEVELOP. INHALATION-REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION-DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL AID.

===== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:=-212.8C, 415.F
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.
Fire Fighting Procedures:MATERIALS WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

===== Accidental Release Measures =====

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. *LARGE- WEAR RESPIRATOR & PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMPT TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL;DISPOSE OF PROPERLY. FLUSH WITH WATER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.
Other Precautions:MINIMIZE SKIN CONTACT. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER

R ARTICLES,
INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

===== Exposure Controls/Personal 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 Gloves:WEAR CHEMICAL-RESISTANT GLOVES. NITRILE GLOVES.

Eye Protection:WEAR SAFETY GOGGLES TO AVOID EYE CONTACT.

Other Protective Equipment:WEAR CHEMICAL-RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

===== Physical/Chemical Properties =====

HCC:V6

Melt/Freeze Pt:=-12.2C, 10.F

Spec Gravity:0.8811

Viscosity:78

Solubility in Water:NEGLIGIBLE

Appearance and Odor:PALE YELLOW OIL, SLIGHT HYDROCARBON ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID HEAT, OPEN FLAMES, AND OXIDIZING MATERIALS.

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES, AND OXIDIZING MATERIALS.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,

LIQUID, PARTICULATES AND GASES. CARBON MONOXIDE AND OTHER UNIDENTIFIED MATERIALS.

===== Toxicological Information =====

Toxicological Information:COMP, OSHA, ACGIH. NO. PEL/TWA

PEL/CEILING TLV/TWA TLV/STEL OTHER --- -----
----- P

5 MG/M3* NONE 5 MG/M3* 10 MG/M3*

NONE *OIL MIST, MINERAL. P=TURBO OIL 78.

===== Disposal Considerations =====

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Waste Disposal Methods:IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS. DOT PROPER SHIPPING NAME: NOT APPLICABLE. OTHER REQUIREMENTS: NOT APPLICABLE.

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===== Regulatory Information =====

SARA Title III Information:IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS. BASED ON THE DATA AVAILABLE THIS PRODUCT IS NOT REGULATED BY SARA, TITLE III.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES PROTECTION OF STRATOSPHERIC OZONE (PU

RSUANT TO SECTION 611 OF THE CLEAN AIR

ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

State Regulatory Information:BASED ON INFORMATION AVAILABLE, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE LISTED ON A CHEMICAL SPECIFIC STATE LIST.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

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