

EQUILON ENTERPRISES LLC. -- AEROSHELL OIL 100 (MIL-L-6082D; MIL-L-6082; GR 1100; SAE 50) --
9150-01-007-9134

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

Product ID:AEROSHELL OIL 100 (MIL-L-6082D; MIL-L-6082; GR 1100; SAE 50)

MSDS Date:01/04/1999

FSC:9150

NIIN:01-007-9134

Status Code:A

MSDS Number: CKTHP

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC.

Address:PRODUCT STEWARDSHIP

Box:67441

4

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Info Phone Num:877-276-7285

Emergency Phone Num:877-276-7285

Resp. Party Other MSDS Num.:SHELL CODE: 60005.

Preparer's Name:KAREN G. HAYES

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO351

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC.

Address:PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:TO351

Company Name:SALATHE OIL CO INC

Address:2226 PETERS RD

Box:City:HARVEY

State:L

A
ZIP:70058
Country:US
Phone:504-366-4542
Contract Num:SP0450-00-W-2033
CAGE:0T5C6

=====
Composition/Information on Ingredients
=====

Ingred Name:HYDROTREATED RESIDUAL OIL
CAS:64742-57-0
Minumum % Wt:50.
Maxumum % Wt:60.

Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATE
CAS:64742-54-7
RTECS #:PY8035500
Minumum % Wt:40.
Maxumum % Wt:50.

Ingred Name:ADDITIVES
< Wt:1.

=====
Hazards Identification
=====

LD50 LC50 Mixture:ACUTE ORAL(RAT)
LD50 = >5.0 G/KG.

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: LUBRICATING OILS ARE
GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING TO THE EYES.
SKIN CONTACT: LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE
THAN MILDLY IRRITATING TO THE SKI N. PROLONGED AND REPEATED CONTACT
MAY LEAD TO VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, OIL ACNE OR
FOLLICULITIS. INHALATION: INHALATION OF VAPORS (GENERATED AT HIGH
TE

MPS ONLY) OR OIL MIST FROM THIS PRODUCT MAY CAUSE MILD
IRRITATION OF THE UPPER RESPIRATORY TRACT. INGESTION: UBRICATING
OILS ARE GENERALLY CONSIDERED NO MORE THAN SLIGHTLY TOXIC IF
SWALLOWED.

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

Effects of Overexposure:EYE CONTACT: I

IRRITATION. SKIN CONTACT:

IRRITATION, DERMATITIS, OIL ACNE, FOLLICULITIS. INHALATION:

IRRITATION OF UPPER RESPIRATORY TRACT. INGESTION: SLIGHTLY TOXIC IF SWALLOWED.

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

===== First Aid Measures =====

First Aid:EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKI

N CONTACT: REMOVE

CONTAMINATED CLOTHING. WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

INHALATION: MOVE 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 LUNGS. GET MEDICAL

ATTENTION.

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

Flash Point Method:PMCC

Flash Point:~250.C, 482.F

Lower Limits:N/AV

Upper Limits:N/AV

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:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COAT

S, GLOVES AND 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:LARGE SPILLS: WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN. REMOVE WITH VACCUM TRUCKS OR PUMP TO STORAGE SALVAGE VESSELS. SOAK UP RESIDUE WITH AN AB

SORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIALS;
DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE.
SMALL SPILLS: TAKE UP WITH ABSORBENT AND DISPOSE OF PROPERLY.
Neutralizing Agent:NONE PROVIDED BY MFR.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. DISPOSE OF CONTAMINATED LEATHER ARTICLES THAT CANNOT BE DECONTAMINATED.

Other Precautions:DO NOT USE PRESSURE TO EMPTY CONTAINERS. EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPORS, LIQUID, OR SOLIDS) ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. CUTTING, DRILLING, GRINDING, OR WELDING ON CONTAINERS OR PRESSURIZING MIGHT CAUSE FIRE, EXPLOSION, OR RELEASE OF HARMFUL FUMES.

=====
===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, 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.

Ventilation:NONE PROVIDED BY MFR.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES. NITRILE GLOVES RECOMMENDED.

Eye Protection:WEAR SAFETY GOGGLES TO AVOID EYE CONTACT.

Other Protective Equipment:WEAR CHEMICAL RESISTANT PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT. TEST DATA FROM LITERATURE AND/OR GLOVE AND CLOTHING MFR INDICATE THE BEST PROTECTION PROVIDED BY NITRILE GLOVES.

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML/KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. IF LOSS OF GAG REFLEX, CONVULSIONS, UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

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

HCC:V6

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:=-25.

4C, -14.F

M.P/F.P Text:(POUR POINT)

Decomp Temp:Decomp Text:NONE PROVIDED BY MFR.

Vapor Pres:< 0.1 (MM HG)

Vapor Density:NOT AVAILA

Spec Gravity:0.8883 (H2O=1)

pH:NONE PROVIDED

Viscosity:19.4 (CS @ 212 DEG F)

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER LIQUID. SLIGHT HYDROCARBON ODOR

Percent Volatiles by Volume:NONE PROVIDE

Corrosion Rate:NONE PROVIDED BY MFR

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

Stabilit

y Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS.

Stability Condition to Avoid:HEAT, OPEN FLAMES.

Hazardous Decomposition Products:DEPENDENT ON COMBUSTION CONDITIONS.

MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES, GASES EVOLVE WHEN PRODUCT UNDERGOES COMBUSTION. CO AND OTHER ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Ecological Information =====

Ecological:PROTECTION OF STRATOSPH

ERIC OZONE (PURSUANT TO SECTION 611

OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 49 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES. THIS PRODUCT IS COVERED BY EPA'S COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) PETROLEUM EXCLUSION. THEREFORE RELEASES TO AIR, LAND, WATER ARE NOT REPORTABLE UNDER CERCLA (SUPERFUND). HOWEVER UNDER SECTION 311 OF EPA'S CL

LEAN WATER ACT (CWA), THIS

PRODUCT IS CONSIDERED AN OIL. (CONTD "TRANSPORT" FIELD).

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

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:NOT REGULATED BY D.O.T. REGULATIONS. (CONTD FROM

"ECOLOGICAL" FIELD) AS SUCH, SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802 . THIS PRODUCT IS AN OIL UNDER 49 CFR (DOT) PART 130. IF SHIPPED BY RAIL OR HIGHWAY IN A TANK WITH A CAPACITY OF 3,500 GALLONS OR MORE, IT IS SUBJECT TO THE REQUIREMENTS OF PART 130. MIXTURE SOLUTIONS IN WHICH THIS PRODUCT IS PRESENT AT 10% OR MORE MAY ALSO BE SUBJECT TO THIS RULE.

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

SARA Title III Information: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.

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

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

=====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.