

EQUILON ENTERPRISES LLC - PRODUCT STEWARDSHIP -- ALVANIA EP GREASE 2, SHELL CODE 71125 -- 9150-00-347-0471

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

Product ID:ALVANIA EP GREASE 2, SHELL CODE 71125

MSDS Date:01/04/1999

FSC:9150

NIIN:00-347-0471

Status Code:A

MSDS Number: CKZYF

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC - PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

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City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Info Phone Num:877-276-7285

Emergency Phone Num:877-276-7283

Resp. Party Other MSDS Num.:EQUILON MSDS: 57052E-06

Preparer's Name:KAREN G HAYNES

Chemtrec Ind/Phone:(800)424-9300

CAGE:3N254

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:3N254

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY A

VE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-LC11

CAGE:0PGK2

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-LC12

CAGE:0PGK2

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

7-0)

Minumum % Wt:80.

Maxumum % Wt:90.

Ingred Name:LITHIUM 12-HYDROXYSTEARATE

CAS:7620-77-1

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:ADDITIVES CONTAINING: ZINC COMPOUNDS

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:ZINC COMPOUNDS

Minumum % Wt:1.

Maxumum % Wt:2.

Ingred Name:HYDROTREATED HEAVY NAPHTHENIC DISTILLATE (PETROLEUM)

CAS:64742-52-5

RTECS #:PY8035000

Ingred Name:HYDROTREATED RESIDUAL OIL (PETROLEUM)

CAS:64742-57-0

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===== Hazards Identification =====
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LD50 LC50 Mixture:ORAL, RAT, LD50: >5.0 G/KG.

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

Health Hazards Acute and Chronic:EYE CONTACT: LUBRICATING GREASES ARE GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING TO THE EYES. SKIN CONTACT: MILDLY IRRITATING. PROLONGED/REPEATED CONTACT MAY CAUSE DEFATTING, IRRITATION, AND DERMATITIS. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF GREASE INTO THE SKIN CAUSING LOCAL NECROSIS. INHALATION: NOT EXPECTED TO BE A RELEVANT

ROUTE OF EXPOSURE. HOWEVER, UNDER HIGH TEMPERATURE CONDITIONS, VAPORS IRRITATING TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT MAY BE PRODUCED. INGESTION: LUBRICATING GREASES 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 AGENCY FOR RESEARCH ON CANCER (IARC), NATIONAL TOXICOLOGY PROGRAM (NTP) OR OCCUPATIONAL SAFETY AND HEALTH (OSHA).

ETY AND HEALTH ADMINISTRATION (OSHA).

Effects of Overexposure: EYE CONTACT: IRRITATION SKIN CONTACT:

IRRITATION, DEFATTING, DRYING OF SKIN, NECROSIS. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. INHALATION: NOSE, THROAT, UPPER RESPIRATORY TRACT IRRITATION. INGESTION: SLIGHTLY TOXIC.

Medical Condition Aggravated by Exposure: PRE-EXISTING EYE AND SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid: EYE CONTACT: FLUSH 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. DO NOT REUSE CLOTHING UNTIL CLEANED. IF MATERIAL INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS INJURY. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method: PMCC

Flash Point: =221.1C, 430.F

BASE OIL

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.

ED 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 COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard: SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION.

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Accidental Release Measures =====

Spill Release Procedures:SCOOP UP EXCESS GREASE AND PLACE IN A CONTAINER. DISPOSE OF PROPERLY.

Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

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

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventilation:NOT PROVIDED.

Protective Gloves:WEAR IMPERVIOUS GLOVES TO MINIMIZE SKIN CONTACT. NITRILE GLOVES ARE RECOMMENDED

Eye Protection:NONE IDENTIFIED.

Other Protective Equ

ipment:WEAR CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:NOT PROVIDED.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

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HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:=177.C, 350.6F

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

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT AVAILABLE

Spec Gravity:< 1 (H2O=1)(7.53 LB/GAL)

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:NEGLIBLE.

Appearance and Odor:BROWN SMOOTH GREASE, SLIGHT HYDROCARBON ODOR.

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

===== Stabil

ity and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: AVOID HEAT, FLAME.

Hazardous Decomposition Products: CARBON MONOXIDE, SULFUR OXIDES, COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON PYROLYSIS OR COMBUSTION.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

===== Toxicological Information =====
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Toxicological Information: FOR HIGHLY REFINED PETROLEUM OILS IN PRODUCT: ACUTE ORAL LD50 > 5.0 G/KG, RAT; ACUTE DERMAL LD50 > 5 G/KG, RABBIT.

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

Ecological: PRODUCT IS COVERED BY EPA'S COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) PETROLEUM EXCLUSION. THEREFORE, RELEASES TO AIR, LAND, OR WATER ARE NOT REPORTABLE UNDER CERCLA (SUPERFUND). HOWEVER, UNDER SECTION 311 OF EPA'S CLEAN WATER ACT (CWA), PRODUCT IS CONSIDERED AN OIL. AS SUCH, SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

===== 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 HAZARDOUS BY DOT REGULATIONS. DOT PROPER SHIPPING NAME: NOT APPLICABLE. OTHER REQUIREMENTS: NOT APPLICABLE. 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.

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Regulatory Information
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SARA Title III Information:IN ACCORDANCE WITH SECTION 111, ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE SENT WITH MSDS. NOT REGULATED BY SARA TITLE III. TOXIC CHEMICAL, SECTION 313: ZINC COMPOUNDS. THIS PRODUCT IS COVERED BY EPA'S COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) PETROLEUM EXCLUSION. THEREFORE, RELEASES TO AIR, LAND, OR WATER ARE NOT REPORTABLE UNDER CER

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Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/ TSCA INVENTORY OF CHEMICAL SUBSTANCES. PROTECTION OF STRATOSPHERIC OZONE (PURSUANT 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:THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES. ZINC COMPOUNDS, NO CAS NUMBER, 1-2 PERCENT, STATE CODE: CT, FL, IL, LA, MA, NJ, PA, RI. CA = CALIFORNIA HAZ. SUBST. LIST:CA65C, CA 65R, CA65C/R = CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 OR PROPOSITION 65 LIST;

CT = CONNECTICUT TOXIC. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

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Other Information
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