

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

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

Product ID:71125, ALVANIA EP GREASE 2

MSDS Date:01/04/1999

FSC:9150

NIIN:00-347-0471

Status Code:A

MSDS Number: CLNWS

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC; PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Info Pho

ne Num:877-276-7285

Emergency Phone Num:877-276-7283

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

Preparer's Name:KAREN G HAYNES

Chemtec Ind/Phone:(800)424-9300

CAGE:TO173

=== Contractor Identification ===

Company Name:AMERICAN INK AND OIL CORP

Address:33 ENDICOTT STREET

Box:City:NORWOOD

State:MA

ZIP:02062-3006

Country:US

Phone:781-762-0026 / FAX: 781-762-1617

Contract Num:SP0450-01-M-LR02

CAGE:82956

Company Name:AMERICAN INK AND OIL CORP

Address:33 ENDICOTT STREET

Box:City:NORWOOD

State:MA

ZIP:02062-

3006
Country:US
Phone:781-762-0026 / FAX: 781-762-1617
Contract Num:SP0450-02-M-L169
CAGE:82956
Company Name:B&M ENTERPRISES
Address:17350 TEMPLE AVE
Box:City:LA PUENTE
State:CA
ZIP:91744

Country:US
Phone:818-912-1275
CAGE:097K0
Company Name:EQUILON ENTERPRISES LLC; PRODUCT STEWARDSHIP (DIV SHELL)
Address:Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Phone:877-276-7285
CAGE:TO173

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

Ingred Name:HIGHLY REFINED PETRO
LEUM OILS (INGREDIENTS 1 AND 2: 80 - 90
%)
CAS:64742-52-5
RTECS #:PY8035000
Minumum % Wt:0.
Maxumum % Wt:90.
Other REC Limits:NONE RECOMMENDED

Ingred Name:HIGHLY REFINED PETROLEUM OILS (INGREDIENTS 1 AND 2: 80 - 90
%)
CAS:64742-57-0
Minumum % Wt:0.
Maxumum % Wt:90.
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM 12-HYDROXYSTEARATE
CAS:7620-77-1
Minumum % Wt:5.
Maxumum % Wt:10.
Other REC Limits:NONE RECOMMENDED

Ingred Name:ADDITIVES CONTAINING: ZINC COMPOUNDS (1-2%)
Minumum % Wt:

5.
Maximum % Wt:10.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT PROVIDED

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

Health Hazards Acute and Chronic:TARGET ORGANS: N/P. EYE CONTACT:

LUBRICATING GREASES ARE GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING TO THE EYES. SKIN CONTACT: MILDLY IRRITATING.

PROLONGED/REPEATED CONTACT MAY CAUSE DEFAT TING, 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 ADMINISTRATION (OSHA).

Effects of Overexposure:IRRITATION, LOCAL NECROSIS IS EVIDENCED BY

DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

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

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

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First Aid:EYES: 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.

DO NOT REUSE CLOTHING UNTIL CLEANED. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS INJURY.

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF

BREATHING IS 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.

Fir

e 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.

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

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

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

Handling and Storage Precautions:NOT PROVIDED

Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETIC OR USING TOILET FACILITIES. LAUNDRY 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 GLOVES,MANUFACTURERS INDICATE BEST PROTECTION PROVIDED BY NITRILE GLOVES

Eye Protection:NOT PROVIDED

Other Protective Equipment:AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CLOTHING AS REQUIRED TO MINIMIZE CONTACT. TEST DATA FROM PUBLISHED LITERATURE OR CLOTHING MANUFACTURERS.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

SHELL PRODUCT CODE: 71125. NOTE TO PHYSICIAN: IN GENERAL, EMESIS
INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY
PRODUCTS, I.E., MOST OILS AND GREASES.

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

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:(DROPPING POINT)

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT AVAI

LABLE

Spec Gravity:0.904

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BROWN SMOOTH GREASE, SLIGHT HYDROCARBON ODOR

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAME

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID, PARTICULATES AND GASES WILL E

VOLVE. CARBON MONOXIDE, CARBON

DIOXIDE, OXIDES OF SULFUR AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS
MAY BE FORMED UPON COMBUSTION.

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

Toxicological Information:NO TOXICOLOGICAL INFORMATION AVAILABLE

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

Ecological:NO ECOLOGICAL INFORMATION AVAILABLE

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

Waste Disposal Methods:IF THIS PRODUCT BE

COMES 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..

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

Transport Information:NOT REGULATED BY DOT REGULATIONS.

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

SARA Title III Information:TOXIC CHEMICAL, SECTION 313: ZINC
COMPOUNDS. THIS PRODUCT IS COVERED BY EPA'S COMPREHENSIVE
E
NVIRONMENTAL 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), THIS 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.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE
IN
CLUDED ON EPA/THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY OF
CHEMICAL SUBSTANCES.

State Regulatory Information:THE FOLLOWING CHEMICALS ARE SPECIFICALLY
LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND
SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE
FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY
REQUIREMENTS, YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR
STATE: ZINC COMPOUNDS (1-2%) CT, FL, IL, LA, MA, NJ, PA, RI.

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

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assume responsibility for the

suitability of this information to their particular situation.