

SHELL OIL COMPANY -- ALVANIA EP LF GREASE 2, SHELL CODE:71125 -- 9150-01-074-8163
===== Product Identification =====

Product ID:ALVANIA EP LF GREASE 2, SHELL CODE:71125

MSDS Date:01/29/1996

FSC:9150

NIIN:01-074-8163

Status Code:A

MSDS Number: CHWZT

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

In

fo Phone Num:713-241-4819/4141/2252 FAX -6511

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

CAGE:54527

=== Contractor Identification ===

Company Name:INLAND PACKAGING INC

Address:209 PETERSON DR

Box:644

City:ELIZABETHTOWN

State:KY

ZIP:42701-9804

Country:US

Phone:502-737-6757

Contract Num:SP0 450-99-MB040

CAGE:66172

Company Name:SHELL OIL COMPANY

Address:Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

===== Composition/Information on Ingredient

ts =====

Ingred Name:MINERAL OIL, HYDROTREATED (MILD), HEAVY NAPHTHENIC
DISTILLATE, PETROLEUM/HIGHLY REFINED PETROLEUM OILS

CAS:64742-52-5

RTECS #:PY8035000

< Wt:90.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

Code:F

ACGIH TLV:5 MG/M3 (OIL MIST)

Code:F

Ingred Name:SOLVENT REFINED HYDROTREATED RESIDUAL OIL/HIGHLY REFINED
PETROLEUM OILS

CAS:64742-57-0

< Wt:90.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

Code:F

ACGIH TLV:5 MG/M3 (OIL MIST

)

Code:F

Ingred Name:LITHIUM 12 HYDROXYSTEARATE

CAS:7620-77-1

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC COMPOUND

Minumum % Wt:1.

Maxumum % Wt:2.

Other REC Limits:NONE RECOMMENDED

Ingred Name:ADDITIVES

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) > 5.0 G/KG (ING 1 OR 2)

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Rep

orts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRITATION, NAUSEA, TEARING, BLURRED VISION, DRY SKIN, DEFATTING, DERMATITIS

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

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER. HOLD EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS INJURY. INGESTION: DO NOT INDUCE VOMITING. IN GENERAL NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method:PMCC
Flash Point:221.1C, 430.F
BASE OIL

Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED.

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE TOXIC SULFUR OXIDES AND HYDROGEN SULFIDE.

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

Spill Release Procedures:SCOOP UP EXCESS GREASE, WIPE UP WITH RAGS, PICK-UP RESIDUE WITH NON-FLAMMABLE ABSORBENT MATERIAL SUCH AS DI

ATOMACEOUS EARTH, SAND OR VERMICULITE. SWEEP UP AND TRANSFER TO A CONTAINER FOR PROPER DISPOSAL. CLEAN AREA WITH APPROPRIATE CLEANER.

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

Handling and Storage Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. AVOID WATER CONTAMINATION. STORE AWAY FROM FLAMES AND STRONG OXIDIZING AGENTS .

Other Precautions:MINIMIZE SKIN CONTACT
. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETIC OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES (SHOES) THAT CAN NOT BE DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventilation:ADEQUATE

Protective Gloves:NITRILE FOR REPEATED CONTACT

Eye Protection:SAFETY GLASSES RECOMMENDED.

Other Protective

Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

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.

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

HCC:V6

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.904

Viscosity:HIGH

Solubility in Water:NEGLIGIBLE

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

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, FLAMES

Hazardous Decomposition Products:A CO

MPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID, PARTICULATES AND GASES WILL EVOLVE. CARBON MONOXIDE, CARBON
DIOXIDE, OXIDES OF SULFUR AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS
MAY BE FORMED.

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

Toxicological Information:ACUTE DERMAL LD50 (RABBIT) FOR INGREDIENT 1
IS > 5.0 G/KG.

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

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY
IN
COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

SARA Title III Information:CONTAINS ZINC COMPOUNDS. UNDER SECTION 311
OF EPA'S CLEAN WATER ACT (CWA), THIS PRODUCT IS CONSIDERED AN OIL.
SPILLS INTO OR LEADING TO SURFACE WATER THAT CAUSE A SHEEN MUST BE
REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE ON
THE EPA/TOXIC SUBSTANCE CONTR
OL ACT (TSCA) INVENTORY LIST.

State Regulatory Information:ZINC COMPOUNDS LISTED BY: CT, FL, IL, LA,
MA, NJ, PA, RI.

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