

SHELL OIL COMPANY -- ALVANIA GREASE 2, 71012 -- 9150-01-086-4163

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

Product ID:ALVANIA GREASE 2, 71012

MSDS Date:12/15/1989

FSC:9150

NIIN:01-086-4163

MSDS Number: BLDCB

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Info Phone Num:713-241-4819

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

CAGE:54527

=== Co

Contractor Identification ===

Company Name:SHELL OIL COMPANY

Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name:MINERAL OIL,PETROLEUM DISTILLATES, ACID-TREATED HEAVY  
NAPHTHENIC; (DISTILLATES, ACID-TREATED HEAVY NAPHTHENIC)

CAS:64742-18-3

RTECS #:PY8032000

Fraction by Wt: 72%

OSHA PEL:300 PPM;500 PPM STEL

ACGIH TLV:300 PPM;500 PPM STEL

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES

, HYDROTREATED HEAVY  
PARAFFINIC; (DISTILLATES, HYDROTREATED HEAVY PARAFFINIC)  
CAS:64742-54-7  
RTECS #:PY8035500  
Fraction by Wt: 15%  
OSHA PEL:300 PPM;500 PPM STEL  
ACGIH TLV:300 PPM;500 PPM STEL

Ingred Name:LITHIUM 12 HYDROXYSTEARATE  
CAS:7620-77-1  
Fraction by Wt: 10%

Ingred Name:OTHER COMPONENTS  
Fraction by Wt: 3%

Ingred Name:SUPP DATA:EXPTL ANIMALS. HOWEVER, HNDLG PROC & SFTY PREC IN  
MSDS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYEES'S EXPOS.  
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:REM  
OVE VICTIM TO FRESH AIR & PROVIDE O\*2.IF  
BRTHG IS DFCLT, GET MED ATTN. INGEST:DO NOT INDUCE(SEE ING 7)  
RTECS #:9999999ZZ

Ingred Name:INGRED 6:VOMIT. IN GEN, NO TREATMENT IS NEC UNLESS LRG QTYS  
OF PROD ARE INGEST. HOWEVER, GET MED ADVICE. (SEE ING 8)  
RTECS #:9999999ZZ

Ingred Name:NOTE TO PHYS: IN GEN, EMESIS INDUCTION IS UNNECESSARY IN  
HIGH VISCOSITY, LOW VOLATILITY PROD. I.E.. MOST OILS & GREASES.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYE: MAY BE MILDLY IRRIT TO EYES.  
SKIN: PRLNGD/RPTD CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS  
DERM, FOLLICULITIS/OIL ACNE. RELS DURING HIGH PRESS USAGE MAY RSLT  
IN INJECTION OF OIL INTO SKIN CA USING LOCAL NECROSIS. INHAL:NOT  
EXPECTED TO BE RELEVANT ROUTE OF EXPOS. HOWEVER, UNDER

HIGH TEMP

(SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:MINERAL OIL,CAS # 64742-18-3,AND 64742-54-7 ARE LISTED BY RTECS AS IARC GROUP 1.

Effects of Overexposure:HLTH HAZ: CONDITIONS, VAPS IRRIT TO NOSE, THROAT & UPPER RESP TRACT MAY BE PRODUCED. INGEST:NO SPECIFIC INFORMATION IDENTIFIED. SIGNS AND SYMPTOMS:IRRIT AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN & TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. OTHER HLTH EFTS: THIS SPECIFIC

(SEE SUPP DATA)

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

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

First Aid:EYE: FLUSH W/H\*2O FOR AT LEAST 15 MIN WHILE HOLDING EYELIDS OPEN. GET MD ATTN. SKIN: REMOVE CONTAM CLTHG & WIPE EXCESS OFF. WASH W/SOAP & H\*2O/WATERLESS HAND CLEANER FOLLOWED BY SOAP & H\*2O. DO NOT RE USE CLTHG UNTIL THORO CLEANED. IF IRRITPERSISTS, GET MED ATTN. IF MATL IS INJECTED UNDER SKIN, GET MED ATTN PROMPTLY TO PVNT SERIOUS DAMAGE; DO NOT WAIT FOR SYMP TO DEVELOP. INHAL:(SEE INGRED 6)

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

Flash Point Method:PMCC

Flash Point:415F,213C

Extinguishing Media:USE H\*2O FOG, DRY CHEM/CO\*2. DO NOT USE IN DIRECT STREAM OF H\*2O. PROD WILL FLOAT & CAN BE REIGNITED ON SURF OF H\*2O.

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE W/OUT PROPER PROT EQUIP INCLUDING A NIOSH/MSHA

APPRVD SCBA. COOL FIRE EXPOSED

CNTNRS SURROUNDING EQUIP & STRUCTURES W/H\*2O.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====  
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. WASH WITH SOAP & WATER BEFORE  
EATING, DRINKING OR USING TOILET FACILITIES. LAUNDER CONTAM  
CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER  
ARTICLES, INCLUDING SHOES THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE  
FOR EXPOSURE OF CONCERN .

V

entilation:NOT ORDINARILY REQUIRED.

Protective Gloves:OIL RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROTECTIVE CLOTHING AS NEEDED TO MINIMIZE  
SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HAZ DECOMP PROD:PARTICULATES & GASES WILL EVOLVE WHEN MATL UNDERGOES  
PYROLYSIS/COMBUST. CO & UNIDENTIFIED ORG COMPOUNDS MAY BE FORMED  
UPON COMBUST. EFTS OF OVEREXP:PROD HAS NOT BEEN TESTED IN LONG-TER

M, CHRONIC EXPOS TESTS. LUBRICATING GREASES ARE GEN CONSIDERED TO  
BE OF LOW ORDER TOXICITY TO HUMANS & (SEE INGRED 5)

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

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER, SMOOTH, SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, OPEN FLAME

Hazardous Decomposition Products:T

HERMAL DECOMP PROD ARE HIGHLY

DEPENDENT ON COMBUST CONDITIONS. COMPLEX MIX OF AIRBORNE SOLID, LIQ  
(SEE SUPP DATA)

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS .

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.