

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

ntractor 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. HOWEVE, 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 =====
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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 .

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