

SHELL OIL COMPANY -- SHELL ALVANIA (H) EP GREASE; SHELL CODE 710 -- 9150-00-347-0471

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

Product ID:SHELL ALVANIA (H) EP GREASE; SHELL CODE 710

MSDS Date:05/02/1991

FSC:9150

NIIN:00-347-0471

MSDS Number: BQDKL

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461 (24 HOUR EMERGENCY)

Preparer's

Name:VAN SELDER

CAGE:54527

=== 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:SEVERLY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE

CAS:64742-52-5

RTECS #:PY8035000

Fraction by Wt: 50-60%

Other REC Limits:NONE RECOMMENDED

Ingred Name:RESIDUAL OILS, HYDROTREATED

CAS:64742-57-0

Fraction by Wt: 25-30%

Other REC Limits:NONE REC

RECOMMENDED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingredient Name:LITHIUM HYDROXYSTERATE  
Fraction by Wt: 10%  
Other REC Limits:NONE RECOMMENDED

Ingredient Name:SULFURIZED FATTY MATERIAL  
CAS:61790-49-6  
Fraction by Wt: 7%  
Other REC Limits:NONE RECOMMENDED

Ingredient Name:NAPHTHENIC ACID; LEAD SALT  
CAS:61790-14-5  
RTECS #:QK9150000  
Fraction by Wt: 2.5%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >  
15 ML/KG  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:HEALTH HAZARDS: ACUTE: MILD EYE  
IRRITANT. CHRONIC: DERMATITIS, FOLLICULITIS, OIL ACNE. INJECTION:  
HIGH PRESSURE USAGE MAY RESULT IN INJECTION INTO SKIN CAUSING LOCAL  
NECROSIS. SKIN ABSORPTION: SKIN CONTACT MAY RESULT IN ABSORPTION  
OF LEAD INTO THE BLOOD STREAM LEADING TO LEAD TOXICITY OR ADVERSE  
REPRODUCTIVE EFFECTS.

Explanation  
of Carcinogenicity:LEAD IS LISTED IN NTP AND IARC.  
Effects of Overexposure:LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF  
APIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.  
Medical Condition Aggravated by Exposure:PREEXISTING SKIN DISORDERS MAY BE  
AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER. SEE DOCTOR. SKIN: WASH WITH  
SOAP AND WATER. SEE DOCTOR. INHALATION: REMOVE TO F

RESH AIR. SEE

DOCTOR. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR. --IF PRODUCT IS INJECTED UNDER THE SKIN, SEE DOCTOR IMMEDIATELY REGARDLESS OF APPEARANCE OR SIZE. THIS IS A SERIOUS MEDICAL EMERGENCY--

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

Flash Point Method:PMCC

Flash Point:430F,221C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL. DO NOT USE DIRECT WATER STREAM. PRODUCT WILL FLOAT AND REIGNITE.

Fire Fighting Procedures:WEA

R FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

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

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

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

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

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

Other Precautions:AVOID SKIN CONTACT.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:USE OIL RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:USE OTHER CLOTHING AS NEEDED TO AVOID SKIN CONTACT.

Work Hygienic Practices:WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING.

Supplemental Safety and Health

PROPEWRLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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

HCC:V6

Melt/Freeze Pt:M.P/F.P Text:351F,177C

Spec Gravity:7.5

Solubility in Water:NEGLIGIBLE

Appearance and Odor:DARK BROWN,

SMOOTH, SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid: YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid: AVOID HEAT & OPEN FLAMES.  
Hazardous Decomposition Products: CARBON MONOXIDE, SULFUR OXIDES, LEAD  
OXIDES & UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON  
COMBUSTION.

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

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

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