

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, HYDROTREATE

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CAS:64742-57-0

Fraction by Wt: 25-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:LITHIUM HYDROXYSTERATE

Fraction by Wt: 10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SULFURIZED FATTY MATERIAL

CAS:61790-49-6

Fraction by Wt: 7%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHENIC ACID; LEAD SALT

CAS:61790-14-5

RTECS #:QK9150000

Fraction by Wt: 2.5%

Other REC Limits:NONE RECOMMENDED

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on =====

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 LEAD

ING 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 Cond Aggravated by Exposure:PREEXISTING SKIN DISORDERS MAY BE

AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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First Aid Measures =====

First Aid:EYES: FLUSH WITH PLENTY OF WATER. SEE DOCTOR. SKIN:

WASH WITH

SOAP AND WATER. SEE DOCTOR. INHALATION: REMOVE TO FRESH 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--

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===== 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:WEAR 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.

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

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

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

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

Other Precautions:AVOID SKIN CONTACT.

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===== 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. LAUNDRY CONTAMINATED CLOTHING.

Supplemental Safety and Health

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

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===== 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 =====

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

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