

SHELL OIL COMPANY -- AEROSHELL GREASE 14 -- 9150-00-478-0055

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Product Identification
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Product ID:AEROSHELL GREASE 14

MSDS Date:01/04/1999

FSC:9150

NIIN:00-478-0055

Status Code:A

MSDS Number: CKFCM

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Box:5320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-473-9461

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

Resp. Party Other MSDS Num.:EQUILON MSDS: 56200E08

Chemtrek Ind/Phone:(800)424-9300

CAGE:TO336

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-00-M-C177

CAGE:4N760

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:3N254

Com

pany Name:SHELL OIL COMPANY
Address:Box:4320
City:HOUSTON
State:TX
ZIP:77210
Country:US
Phone:713-473-9461
CAGE:TO336

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Composition/Information on Ingredients
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Ingred Name:HYDROTREATED MIDDLE DISTILLATE (PETROLEUM)
CAS:64742-46-7
RTECS #:JN9379645
Minumum % Wt:20.
Maxumum % Wt:30.

Ingred Name:SOLVENT REFINED, HYDROTREATED LIGHT NAPHTHENIC DISTILLATE
CAS:64742-53-6
RTECS #:PY8036000
Minumum % Wt:20.
Maxumum % Wt:30.

Ingred Name:SOLVENT REFINED, HYDROTREATED LIGHT PA
RAFFINIC DISTILLATE
CAS:64742-56-9
RTECS #:PY8039500
Minumum % Wt:35.
Maxumum % Wt:40.
Other REC Limits:NONE SPECIFIED

Ingred Name:OTHER COMPONENTS (MIXTURE)
< Wt:2.
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM HYDROXYSTEARATE
CAS:3159-62-4
Minumum % Wt:10.
Maxumum % Wt:12.

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Hazards Identification
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT:MAY BE MILDLY IRRITATING
TO EYES. SKIN

CONTACT:PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR OIL ACNE. RELEASE DURING HIGH PRESSURE MAY RESULT IN INJECTION INTO THE SKIN CAUSING LOCAL NECROSIS. INHALATION:NOT EXPECTED TO BE A RELEVANT ROUTE. HOWEVER, UNDER HIGH TEMPERATURE CONDITIONS, VAPOR IRRITATING TO NOSE, THROAT & UPPER RESPIRATORY TRACT MAY BE PRODUCED. INGESTION:GREASES ARE GENERALLY CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

Explanation

of Carcinogenicity:THIS PRODUCT & ITS COMPONENTS ARE NOT CLASSIFIED AS CARCINOGENIC BY IARC, NTP OR OSHA.

Effects of Overexposure:IRRITATION AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

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

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

First Aid:EYE-FLUSH WITH WATER FOR 15 MIN WHILE HOLDING EYE-LIDS OPEN.

GET MEDICAL AID. SKIN-REMOVE CONTAMINATED CLOTHES & WIPE EXCESS OFF. WASH WITH SOAP & WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP & WATER. DO NOT REUSE CLOTHING UNTIL CLEANED. IF IRRITATION PERSISTS, GET MEDICAL AID IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL AID PROMPTLY TO PREVENT SERIOUS DAMAGE.

INHALATION-REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL AID. INGESTION-DO NOT INDUCE

VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INJECTED. HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method:PMCC

Flash Point:310.C, 590.F

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

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT

PROPER PROTECTION EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

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

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER. MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS), INCLUDING A POSITIVE-PRESSURE NIOSH-APPROVED SELF -CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

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

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

Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE RESUE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES , INCLUDING SHOES, THAT CAN NOT BE DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Protective Gloves:USE OIL RESISTANT GLOVES.

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

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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.

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

HCC:V6

NRC/State Lic Num:NONE

Melt/Freeze Pt:=140.C, 284.F

Spec Gravity:7.3 LB/GAL

Solubility in Water:NEGLIGIBLE

App

Appearance and Odor:TAN,SMOOTH,SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. CARBON MONOXIDE & UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:BASED UPON DATA AVAILABLE, COMPONENT 5 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.120C).

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

Waste Disposal Methods:NO INFORMATION GIVEN BY MFR ON MSDS.

HMIS:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS. DOT PROPER SHIPPING NAME: NOT APPLICABLE. OTHER REQUIREMENTS: NOT APPLICABLE.

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

SARA Title III Information:IN ACCORDANCE WITH SRA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET, SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE

LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCE. PRODUCT IS APPROVED BY USDA FOR USE FOR MEAT AND POULTRY PROCESSING SERVICE WHERE THERE IS NO CONTACT WITH EDIBLE PRODUCTS. THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

State Regulatory Information:MASSACHUSETTES = MASSACHUSETTES SUBST. LIST.

===== Other Information =====

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