

SHELL OIL COMPANY -- SHELL LOW-SULFUR DEISELINE(R) -- 9140-00-000-0184

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

Product ID:SHELL LOW-SULFUR DEISELINE(R)

MSDS Date:02/12/1993

FSC:9140

NIIN:00-000-0184

MSDS Number: BVGFQ

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819/4141/2252

FAX -6511

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

Preparer's Name:J.C. WILLETT

CAGE:54527

=== Contractor Identification ===

Company Name:GULER OIL INC (509-493-1611)

CAGE:6Y706

Company Name:SHELL OIL COMPANY

Address:Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name:DISTILLATES,STREIGHT RUN MIDDLE

CAS:64741-44-2

RTECS #:LX3296000

Fraction by Wt: 100%

Other REC Limits:

NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES/SKIN:MILD IRRITATION.

INHALATION OF VAPORS OR MIST:IRRITATION TO RESPIRATORY TRACT, CNS DEPRESSION. INGESTION:PRACTICALLY NON-TOXIC; HOWEVER, IF ASPIRATED INTO LUNGS IT MAY CAUSE CHEMICAL P NEUMONITIS WHICH CAN BE FATAL. CHRONIC:DERMATITIS. M

ID DISTILLATE HAS CAUSED CHROMSOMAL/MUTAGENIC CHANGES IN ANIMALS.

Explanation of Carcinogenicity:WHOLE DIESEL ENGINE EXHAUST IS LISTED AS A PROBABLE CARCINOGEN BY IARC AND NIOSH.

Effects of Overexposure:SKIN:IRRITAION, DRYING EFFECT. INHALATION: HEADACHE, DIZZINESS, VERTIGO, WEAKNESS AND LOSS OF COORDINATION. ASPIRATION INTO LUNGS:COUGHING, LABORED BREATHING, CYANOSIS, KIDNEY AND LIVER DAMAGE.

Medical Cond Aggravated by Exposure:SKIN AND RESPIRATORY DISORDERS INCLUDING AL LERGIES.

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

First Aid:EYES:FLUSH WITH FRESH WATER FOR 15 MINUTES. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. SEE A DOCTOR IF SYMPTOMS DEVELOP. INHALATION: REMOVE TO FRESH AIR. INGESTION: DO NOT INDUCE VOMINTING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. CALL PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC

Flas

h Point:125F,52C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

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:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. KEEP CONTAINERS COOL WITH WATER.

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

=====

Spill Release Procedures:WEAR PROTECTIVE GEARS. ELIMINATE ALL OPEN FLAMES. STOP SOURCE OF THE LEAK. DIKE TO CONTAIN LIQUID. RECOVER BY PUMPING OR ABSORB WITH INERT ABSORBENT MATERIALS AND SAVE IN COVERED DRUM FOR DISPOSAL. DO NOT POLLUTE WATERWAYS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL AREA. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESSURIZE, CUT, WELD OR EXPOSE TO HEAT, FLAME, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN SPRAYING OR USING IN CONFINED SPACES.

Ventilation:GENERAL OR LOCAL TO KEEP BELOW TLV.

Protective Gloves:PVC

Eye Protection:GOGGLES

Other Pr

otective Equipment:WEAR PROTECTIVE CLOTHINGS.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING THIS PRODUCT.

Supplemental Safety and Health

NONE

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

HCC:F4

Boiling Pt:B.P. Text:325F,163C

Vapor Density:>1

Spec Gravity:0.8762

Solubility in Water:NEGLIGIBLE

Appearance and Odor:YELLOW LIQUID, STRONG HYDROCARBON ODOR

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

Stability Indicator/Materials to

Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: TOXIC CARBON MONOXIDE AND CARBON DIOXIDE, ALDEHYDES, AROMATIC HYDROCARBONS, PARTICULATES & OTHER UNIDENTIFIED ORGANICS.

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

Waste Disposal Methods: SEND FOR RECYCLING OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL 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.