

SHELL OIL COMPANY -- DIALA(R) A OIL -- 6850-00-224-9582

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

Product ID:DIALA(R) A OIL

MSDS Date:02/23/1993

FSC:6850

NIIN:00-224-9582

MSDS Number: BTHLV

=== 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)

Prepa

Preparer's Name:J. C. WILLETT

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 =====

Ingredient Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 50-100%

Other REC Limits:NONE RECOMMENDED

Ingredient Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT

NAPHTHENIC

CAS:64742-53-6

RTEC

S #:PY8036000  
Fraction by Wt: 0-50%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:5 MG/M3 (OIL MIST)

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

LD50 LC50 Mixture:ORAL LD50 (RAT) > 5.0 G/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SLIGHTLY IRRITATING OT SKIN. PROLONGED  
OR REPEATED CONTACT WITH SKIN MAY RESULT IN DERMATITIS,  
FOLLICULITIS, OIL ACNE. INHALATION MAY C  
AUSE A MILD IRRITATION OF  
THE UPPER RESPIRATORY TRACT. INGESTION MAY RESULT IN VOMITING,  
ASPIRATION HAZARD.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:SKIN IRRITATION, DERMATITIS, FOLLICULITIS, OIL  
ACNE, UPPER RESPIRATORY TRACT IRRITATION, CHEMICAL PNEUMONIA,  
COUGHING, LABORED BREATHING, BLUISH SKIN, DEATH.  
Medical Cond Aggravated by Exposur  
e:PRE-EXISITNG SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. GET  
MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP  
AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. IF IRRITATION  
PERSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF  
WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGEST  
ION: DO NOT  
INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. GET  
MEDICAL ATTENTION.

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

Flash Point Method:PMCC  
Flash Point:280F,138C  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE. DO  
NOT USE A DIRECT STREAM OF WATER, PRODUCT WILL FLOAT.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN

FIGHTING CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:MATERIAL WILL NOT BURN UNLESS PREHEATED.

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

Spill Release Procedures:WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. STORE SOURCE OF LEAK. SOAK UP WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIALS

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. MINIMIZE SKIN CONTACT. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES.

Other Precautions:KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:NOT NEEDED

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION.

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

HCC:N1

Boiling Pt:B.P. Text:>104F,>40C

Melt/Freeze Pt:M.P/F.P Text:-40F,-40C

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.8833

Viscosity:12 CST

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIB

LE

Appearance and Odor:WHITE LIQUID, SLIGHT HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,  
LIQUID, PARTICULATES AND GASES

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRO

NMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL 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 comp  
etent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.