

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)

Prep

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

RTE

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

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===== 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  
CAUSE 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 Exposu  
re:PRE-EXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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===== 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. INGES  
TION: DO NOT  
INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. GET  
MEDICAL ATTENTION.

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===== 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  
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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 APPROVE  
D 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:NEGLIGI

BLE  
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  
ENVIR  
ONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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