

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)

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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 Exposure:

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. INGESTION:

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 =====

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.

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