

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

rer'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 =====

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 50-100%

Other REC Limits:NONE RECOMMENDED

Ingred 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
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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.
LAUNDER 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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