

SHELL OIL CO LUBRICANT SALES DEPT DGSC COORDINATOR -- 68701 69701 68744 DIALA(R) OIL A
-- 9160-00-685-0913

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

Product ID:68701 69701 68744 DIALA(R) OIL A

MSDS Date:07/10/1991

FSC:9160

NIIN:00-685-0913

MSDS Number: BMZWT

=== Responsible Party ===

Company Name:SHELL OIL CO LUBRICANT SALES DEPT DGSC COORDINATOR

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77252-2463

Country:US

Preparer's Name:G.A. VAN GELDER

CAGE:LO812

=== Contractor Identification ===

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:3N254

Company Name:SHELL OIL CO LUBRICANT SALES DEPT DGSC COORDINATOR

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77252-2463

Country:US

CAGE:LO812

Company Name:UNIMARK OIL COMPANY (FORMERLY GARD OIL)

Address:2727 ROE LANE

City:KANSAS CITY

State:KS

ZIP:66103-1543

Country:US

Phone:91

3-236-5000; FX 913-236-4419
CAGE:3K676

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

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Fraction by Wt: 60-100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT
NAPHTHENIC

CAS:64742-53-6

RTECS #:PY8036000

Fraction by Wt: 0-40%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (OIL

MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5G/KG ESTIMATED

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:MAY CAUSE SLIGHT IRRITATION OF SKIN ON
CONTACT. INHALATION OF HEATED VAPORS MAY CAUSE IRRITATION OF UPPER
RESPIRATORY TRACT. INGESTION MAY RESULT IN STOMACH DISTRESS OR
IRRITATION. RESULT I

NG VOMITING MAY LEAD TO ASPIRATION OF VOMITUS

AND PNEUMONITIS. CHRONIC:NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:IARC HAS DETERMINED THERE IS SUFFICIENT
EVIDENCE FOR THE CARCINOGENICITY IN EXPERIMENTAL ANIMALS OF USED
MOTOR OIL.

Effects of Overexposure:INHALATION: COUGHING, SHORTNESS OF BREATH,
WHEEZING, TIGHTNESS IN CHEST. SKIN: RASH, DISCOMFORT, ITCHING.
INGESTION: NAUSEA, VOMITING. ASPIRATION PNEUMONITIS: COUGHING,
LABORED BRATHING AND BLUISH SKI

N (CYANOSIS). DEATH COULD OCCUR.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY.

GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15

MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTE

NTION.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD

BELOW HIPS TO PREVENT ASPIRATION. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:295F,146C

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

CHEMICAL. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT FLOATS, WILL

REIGNITE

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAIN

ED BREATHING APPARATUS. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE

HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL

TO ENTER SEWERS OR WATERCOURSES, REMOVE ALL SOURCES OF IGNITION.

ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC.

LARGE SPILLS MAY BE PICKE

D UP USING VACUUM PUMPS, SHOVELS,

BUCKETS, ETC.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL VENTILATED

PLACE. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPEARTURES (>295F).

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED AIR-PURIFYING RESPIRATOR

FOR ORGANIC VAPORS AND PARTICULATES OR AN

ATMOSPHERE-SUPPLYING

RESPIRATOR IF REQUIRED. PROTECTION IS NOT REQUIRED UNDER NORMAL USE CONDITIONS.

Ventilation:NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE.

MECHANICAL EXHAUST RECOMMENDED IF USED IN ENCLOSED AREA.

Protective Gloves:CHEMICAL RESISTANT GLOVES (NITRILE BEST)

Eye Protection:WEAR CHEMICAL SAFETY GOGGLES

Other Protective Equipment:WEAR PROTECTIVE CLOTHING, APRON AND BOOTS AS REQUIRED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:MINIMIZE SKIN CONTACT.

WASH WITH SOAP AND WATER

BEFORE EATING, DIRNKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING SURFACE WATERS OR ANY WATER COURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. 800-424-8602

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

HCC:N1

Boiling Pt:B.P. Text:>400F,>2

04C

Melt/Freeze Pt:M.P/F.P Text:-60F,-51C

Spec Gravity:0.883

Viscosity:9.1 CST @40C

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WHITE LIQUID, SLIGHT 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:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. RECYCLE IF POSSIBLE.

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