

SHELL OIL COMPANY -- ROTELLA OIL 30,54003 -- 9150-00-186-6689

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

Product ID:ROTELLA OIL 30,54003

MSDS Date:02/22/1995

FSC:9150

NIIN:00-186-6689

MSDS Number: BXVCC

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819/800-240-6737

Emergency Phone

Num:713-241-4819/800-424-9300(CHEMTREC)

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:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED, HEAVY
PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: 80 - 90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:SOLVENT REFINED HYDROTREATED RESIDUAL OIL - PERCENTAGE OF
INGREDIENTS 1 THROUGH 7: >85.

CAS:64742-57-0

Fraction by Wt: 0 - 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:ADDITIVES (INCLUDING INGREDIENTS 4 AND 5)

Fraction by Wt: 10 - 15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC COMPOUND (3-4%)

Fraction by Wt: SEE # 3%

Other REC Limits:NONE RECOMMENDED

Ingred Name:COPPER COMPOUND (1-2%)

Fraction by Wt: SEE #

3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG CU/M3

ACGIH TLV:1 MG CU/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &

GI TRACTS. ACUTE- EYE:SLIGHT IRRITATION. SKIN:MILD IRRITATION.

INHALE:MISTS MAY CAUSE RESPIRATORY TRACT IRRITATION.

ORAL:SLIGHTLY

TOXIC IF SWALLOWED. CHRONIC- MA Y CAUSE DERMATITIS.

Explanation of Carcinogenicity:WARNING! USED MOTOR OILS WERE SHOWN TO
CAUSE SKIN CANCER WHEN REPEATEDLY APPLIED TO MICE WITHOUT CLEANING
SKIN.

Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, HEADACHES

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING SKIN
DISORDERS MAY BE MORE SUCCEPTIBLE TO THE EFFECTS FROM EXPOSURE TO
THIS PRODUCT.

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

=====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. WIPE OFF EXCESS. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS. CALL PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:390F,1

99C

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL/CARBON DIOXIDE. DON'T USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. SPILLS CAN BE TAKEN UP ON SAND, CLAY, EARTH & SHOVELD INTO CONTAINERS. PREVENT RUN-OFF TO ENTER WATERWAYS, SEWERS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE. ALL PRECAUTIONS SHOULD BE OBSERVED. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING MISTS/VAPORS. AVOID REPEATED

SKIN CONTACT. DO NOT GET IN EYES. DO NOT INGEST.

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

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH APPROVED CHEMICAL CARTRIDGE RESPIRATOR FOR ORGANIC VAPORS AND MISTS. REFER TO 29 CFR 1910.134.

Ventilation:USE ADEQUATE VENTILATION TO KEEP OIL MISTS OF THIS MATERIAL BELOW APPLICABLE STANDARD(S).

Protective Gloves:NITRILE IF FREQUENT CONTACT EX

PECTED

Eye Protection:SAFETY GOGGLES IF SPLASHING ANTICIPATED

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURED, EMESIS SHOULD BE INDUCED WITH SUPERVIS

ION. KEEP VICTIM'S HEAD BELOW HIPS. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSION OR UNCONSCIOUSNESS OCCUR, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:-5F,-21C

Vapor Pres: