

ROYAL LUBRICANTS -- ROYCO 383 -- 9150-00-263-3490

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

Product ID:ROYCO 383  
MSDS Date:07/18/1995  
FSC:9150  
NIIN:00-263-3490  
MSDS Number: CHHNB  
=== Responsible Party ===  
Company Name:ROYAL LUBRICANTS  
Address:EAGLE ROCK AVE  
Box:518  
City:EAST HANOVER  
State:NJ  
ZIP:07936  
Country:US

Info Phone Num:201-887-7410  
Emergency Phone Num:201-887-7411  
Chemtrec Ind/Phone:(800)424-930

0  
CAGE:07950  
=== Contractor Identification ===  
Company Name:ROYAL LUBRICANTS COMPANY INC.  
Address:215 MERRY LN  
Box:518  
City:EAST HANOVER  
State:NJ  
ZIP:07936  
Country:US  
Phone:973-887-7411/7410

CAGE:07950  
Company Name:SDB CONSULTANTS LTD  
Address:401 WHITNEY AVE SUITE 120  
Box:City:GRETNA  
State:LA  
ZIP:70056  
Country:US  
Phone:504-366-9105  
Contract Num:SP045099MB070  
CAGE:0PGK2

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

Ingred Name:MINERAL OIL  
CAS:64742-53-6  
RTECS #:PY8036000

Minumum % Wt:75.  
Maxumum % Wt:85.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT REFINED  
(SEVERE), LIGHT NAPHTHENIC, (NON-CARCINOGENIC - IARC)

CAS:64741-97-5  
RTECS #:PY8041001  
Minumum % Wt:5.  
Maxumum % Wt:15.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE

CAS:64742-46-7  
RTECS #:JN9379645  
&lt; Wt  
:5.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:BARIUM DINONYL-NAPHTHALENESULFONATE

CAS:25619-56-1  
&lt; Wt:10.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINOR ADDITIVE

&lt; Wt:.5  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:MAY CAUSE EYE IRRITATION. MAY CAUSE  
SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS  
SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR OIL ACNES.  
INHALATION OF OIL MIST MAY BE MILDLY IRRITATING TO THE NOSE,  
THROAT AND 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 CARCINOGENIC

ENS OR SUSPECT  
CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, DERMATITIS,  
FOLLICULITIS, OIL ACNE, NOSE/THROAT/RESPIRATORY TRACT IRRITATION,  
VOMITING, CHEMICAL PNEUMONITIS AS EVIDENCED BY COUGHING, LABORED  
BREATHING, BLUIISH SKIN.

Medical Cond Aggravated by Exposure:PRE-EXISITNG SKIN, EYE AND  
RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS  
PRODUCT.

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

First Aid:EYES: FLUSH  
WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS  
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.  
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL  
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET  
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF OCCURS,  
KEEP HEAD BELOW HIPS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC  
Flash Point:=143.3C, 290.F  
Lower  
Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON  
DIOXIDE. DO NOT USE A DIRECT STREAM OF WATER.  
Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO  
NOT ENTER CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE GEAR  
INCLUDING A POSITIVE PRESSURE SCBA.  
Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CONTAINERS WITH WATER.  
PRODUCT WILL FLOAT ON WATER AND CAN BE REIGNITED ON WATER SURFACE.

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

Spill Release Procedures:USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE  
SPILLS. WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT. SHUT OFF SOURCE  
IF POSSIBLE. REMOVE WITH VACUUM TRUCKS. SOAK UP RESIDUE WITH  
ABSORBENT SUCH AS CLAY OR S AND. FLUSH AREA WITH WATER. DISPOSE OF  
PROPERLY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID HEAT, ALME

AND CONTACT WITH

STRONG OXIDIZING AGENTS. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. AVOID SKIN/EYE CONTACT.

Other Precautions:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHIN AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

THIS PRODUCT IS CONSIDERED AN OIL. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE

A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AT 1-800-424-8802.

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

HCC:V6

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:>5(AIR=1)

Spec Gravity:0.88

Viscosity:10.5 CS @ 100F

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:RED OIL, SLIGHT HYDROCARBON ODOR.

=====  
===== Stability and Reactivity Data =====

=====

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH STRONG OXIDIZERS.

Stability Condition to Avoid: AVOID HEAT, FLAME.

Hazardous Decomposition Products: A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE (E.G., CARBON MONOXIDE AND ORGANICS).

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

Waste Disposal Methods: FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

===== MSDS Transport Information ==  
=====

Transport Information: NOT HAZARDOUS BY DOT REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.