

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 634 -- 9150-01-079-6124

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

Product ID:ROYCO 634
MSDS Date:02/01/1999
FSC:9150
NIIN:01-079-6124
Status Code:A
MSDS Number: CJMZT
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Address:72 EAGLE ROCK AVE
Box:518
City:EAST HANOVER
State:NJ
ZIP:07936
Country:US
Info Phone Num:201-887-3100
Emergency Phone Num:2
01-887-7411
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
Contract Num:SP0450-99-D-0402
CAGE:07950

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

Ingred Name:HIGHLY REFINED PETROLEUM OIL
Minumum % Wt:30.
Maxumum % Wt:40.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:CALCIUM

DINONYLNAPHTHALENESULFONATE

CAS:57855-77-3

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

Ingred Name:NON-HAZARDOUS COMPONENTS

Minumum % Wt:50.

Maxumum % Wt:70.

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5 MG/M3.

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

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

Health Hazards Acute and Chronic:**TARGET ORGANS:EYE,SKIN

,RESPIRATORY

SYSTEM** MAY BE IRRITATING TO EYES & SKIN. TOXIC IF INHALED.

HARMFUL OR FATAL IF SWALLOWED. INGESTION MAY RESULT IN VOMITING AND ASPIRATION OF LIQUID INTO LUNGS, T HUS RESULTING IN PNEUMONITIS.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.

Effects of Overexposure:ASPIRATION MAY BE EVIDENCED BY COUGHING, LABORED BREATHING, CYANOSIS. OTHER CONTACT:IRRITATION AS NOTED ABOVE.

Medical Cond Aggravated by Exposure:PRE-EXI

STING EYE, SKIN &

RESPIRATORY DISORDERS MAY BE AGGRAVATED BU EXOPSURE TO THIS PRODUCT.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIP

S TO

PREVENT ASPIRATION INTO LUNGS.

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

Flash Point Method:COC

Flash Point:=100.C, 212.F

212F,100C

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE. DO NOT USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED

BREATHING APPARATUS. COOL CONTAINERS WITH WATER
Unusual Fire/Explosion Hazard:MATERIAL WILL NOT BURN UNLESS PREHEATED.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. WEAR PROTECTIVE EQUIPMENT. STOP LEAK, DIKE & CONTAIN. SOAK UP W/ABSORBENT. PLACE IN NON-LEAKING CONTAINERS & SEAL FOR DISPOSAL. FLUSH AREA W/WATER TO REMOVE RESIDUE.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE W/ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.
Other Precautions:NONE. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING OIL MIST. DISCARD LUBRICANT- SOAKED SHOES. REMOVE LUBRICANT-SOAKED CLOTHING AND LAUNDER BEFORE RE-USE.

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

Respiratory Protection:WEAR A NIOSH-APPROVED VAPOR RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. I/A/W 29CFR1910.134, USE A FULL-FACE ATMOSPHERE SUPPLYING RESPIRATOR OR AN AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:AVOID BREATHING VAPOR OR MIST. USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:AVOID CONTACT W/SKIN & CLOTHING.

Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS. WASH THOROUGHLY BEFORE EATING/DRINKING/SMOKING & AT END OF WORKDAY.

Supplemental Safety and Health

EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE TO HEAT, SPARKS, FLAMES, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION.

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

HCC:V6

NRC/State Lic Num:NONE

Melt/Freeze Pt:=-59.4C, -75.F

Spec Gravity:0.87

Viscosity:9.6 CS @ 104F

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR

R, AMBER LIQUID, FRUITY SMELL

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: EXCESSIVE HEAT, OPEN FLAME

Hazardous Decomposition Products: A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES & GASES WILL EVOLVE. CARBON MONOXIDE & OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY FORM.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: NOT A HAZARDOUS WASTE PER RCRA. PLACE IN APPROPRIATE DISPOSAL FACILITY I/A/W LOCAL REGULATIONS. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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

Transport Information: NOT REGULATED FOR TRANSPORTATION.

===== Regulatory Information =====

SARA Title III Information: WASTE IS NOT A RCRA HAZARDOUS WASTE PER 40 CFR 261.

PRODUCT IS CLASSIFIED AS AN ACUTE HEALTH HAZARD UNDER SARA TITLE III, SEC 311-312. PRODUCT CONTAINS ISOPROPYL ALCOHOL (