

ROYAL LUBRICANTS COMPANY INC. -- ROYCO (R) 634 -- 9150-01-102-1473

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

Product ID:ROYCO (R) 634
MSDS Date:06/11/1996
FSC:9150
NIIN:01-102-1473
Status Code:A
MSDS Number: CJRLW
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Box:518
City:EAST HANOVER
State:NJ
ZIP:07936-0518
Country:US
Info Phone Num:973-887-7411 / 7410 973-887-8404
Emergency Phone Num:201.887.7411
Resp. Party Other MSDS Num.:730, 003-2
Chemtrec Ind/Phone:(800)424-9300
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 OILS
Minumum % Wt:30.
Maxumum % Wt:40.

Ingred Name:CALCIUM DINONYLNAP

HTHALENE SULFONATE

CAS:57855-77-3

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:NON-HAZARDOUS COMPONENTS

Minumum % Wt:50.

Maxumum % Wt:70.

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

LD50 LC50 Mixture:NOT AVAILABLE

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

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

Health Hazards Acute and Chronic:EYE CONTACT: PRODUCT MAY BE IRRITATING TO EYES. SKIN CONTACT: MODERATELY IRRITATING TO SKIN. INHALED:

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OXIC IF INHALED. INGESTED: THIS MATERIAL MAY BE HARMFUL IF SWALLOWED. INGESTION MAY RESULT IN VOMITING. ASPIRATION OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

Explanation of Carcinogenicity:THIS PRODUCT & ITS COMPONENTS ARE NOT CLASSIFIED AS CARCINOGENS BY IARC, NTP OT OSHA.

Effects of Overexposure:INGESTED-VOMITING. ASPIRATED-COUGHING, LABORED BREATHING, CYANOSIS. EYES-IRRITATION. SKIN-IRRITATION.

Medical Cond Agg

ravated by Exposure:PREEXISTING EYE, SKIN, RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, HOLD LIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHES/SHOES & WIPE EXCESS FROM SKIN. WASH WITH SOAP & WATER. G ET MEDICAL ATTENTION IF IRRITATION OCCURS. LAUNDER CLOTHES BEFORE REUSE. CONTAMINATED LEATHER GOODS TO INCLUDE SHOES CANNOT BE DECONTAMINATED & SHOULD BE DESTROYED. INHALATION: REMOVE VICTIM TO FRESH AIR. PROVIDE OXYGEN IF BREATHING DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTED: DO NOT INDUCE VOMITING! IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT A SPIRATION. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:=100.C, 212.F

Extinguish

ing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED ON SURFACE OF WATER.

Fire Fighting Procedures:MATERIAL W/NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED SPACE W/OUT FULL BUNKER GEAR (HELMET W/FACE SHIELD, BUNKER COATS, GLOVES&RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CO NTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS W/WATER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR & OTHER PROTECTIVE CLOTHING. SHUT OFF LEAK IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE. SOAK UP RESIDUE WI TH SUITABLE ABSORBENT. PLACE IN NON-LEAKING CONTAINERS & SEAL FOR DISPOSAL. FLUSH AREA WITH WATER. DISPOSE OF FLUSH MATERIAL PROPERLY.

Neutralizing Agent:NON E SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:AVOID BREATHING VAPOR/MIST. USE NIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD W/29 CFR

1910.134. USE EITHER A FULL-FACE, ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:CHEMICAL GOGGLES IF THERE IS POTENTIAL CONTACT WI/EYES. DO NOT GET IN EYES.

Other Protective Equipment:AVOID CONTACT WITH SKIN/CLOTHING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health
NONE S

PECIFIED BY MANUFACTURER.

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

HCC:V6

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

M.P/F.P Text:POUR POINT

Spec Gravity:.87

Viscosity:9.6 (CS@104 DEG F)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR AMBER LIQUID WITH FRUITY SMELL.

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAME AND CONTA

CT WITH STRONG

OXIDIZING AGENTS.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS ARE
HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. COMPLEX MIXTURE OF
AIRBORNE SOLID,LIQUID,PARTICULATES&GASES W/EVOLVE WHEN MATERIAL
UNDER GOES PYROLYSIS OR COMBUSTION.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPE

CIFIED BY MANUFACTURER.

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

Waste Disposal Methods:AS PURCHASED, PRODUCT NOT AS HAZARDOUS WASTE
UNDER RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL
FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

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

Transport Information:NOT HAZARDOUS BY US DOT REGULATIONS.

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

SARA Title III

Information:NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information:THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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