

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 634 -- 9150-01-327-9631

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

Product ID:ROYCO 634
MSDS Date:11/04/1999
FSC:9150
NIIN:01-327-9631
Status Code:A
MSDS Number: CLQLP
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Address:215 MERRY LN
Box:518
City:EAST HANOVER
State:NJ
ZIP:07936
Country:US
Info Phone Num:973-887-7411/7410
Emergency Phone Num:9
73-887-7411
Resp. Party Other MSDS Num.:730,003-2
Chemtrec Ind/Phone:(800)424-9300
CAGE:07950

=== Contractor Identification ===
Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT
Address:2275 TUCKER INDUSTRIAL RD
Box:City:TUCKER
State:GA
ZIP:30084
Country:US
Phone:770-938-4513/FAX 770-938-3966
Contract Num:SP0450-02-M-L221
CAGE:1MDA6
Company Name:ROYAL LUBRICANTS COMPANY INC.
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Box:518
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==== Composition/Information on Ingredients =====

Ingred Name:CALCIUM DINONYLNAPHTHALENE SULFONATE

CAS:57855-77-3

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:NON-HAZARDOUS COMPONENTS

Minumum % Wt:50.

Maxumum % Wt:70.

Ingred Name:ROYCO 634 (PRODUCT)

= Wt:100.

OSHA PEL:5 MG/M3 (MIST)

ACGIH TLV:5MG/M3 (MIST)

ACGIH STEL:10 MG/M3 (MIST)

Ingred Name:HIGHLY REFINED PETROLEUM OILS

Minumum % Wt:30.

Maxumum % Wt:40.

==== Hazards Identification =====

Repo

rts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: BASED ON THE PRESENCE OF CALCIUM DINONYLNAPHTHALENE SULFONATE, THIS PRODUCT MAY BE IRRITATING TO THE EYES. SKIN CONTACT: MODERATELY IRRITATING TO THE SKIN. INHALATION: TOXIC IF INHALED. I NGESTION: THIS MATERIAL MAY BE HARMFUL FOR FATAL IF SWALLOWED. INGESTION MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RE
SULT IN ASPIRATION
PNEUMONITIS.

Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT CLASSIFIED AS CARCINOGENS BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), NATIONAL TOXICOLOGY PROGRAM (NTP) OR OCCUPATIONAL SAFETY AND HEALTH ADMINSTRATI ON (OSHA).

Effects of Overexposure:ASPIRATION PENUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING, AND CYANOSIS (BLUISH SKIN): IN SEVERE CASES DEATH MAY OCCUR. EYE CONTACT: IRRITATION. SKIN CONTACT:

IRRITATION. INHALATION: TOXIC IF INHALED. INGESTION: HARMFUL OR FATAL IF SWALLOWED. INGESTION MAY RESULT IN VOMITING; ASPIRATION PNEUMONITIS.

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

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

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. RINSE CONTINUOUSLY ON WAY TO MEDICAL ATTENTION. SKIN

CONTACT: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. THEN WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE. LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED; DESTROY TO PREVENT REUSE. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. (CONTD. SEE "OTHER INFO")

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

Flash Point Method:COC

Flash Point:100.C, 212.F

Lower Limits:N/AV

Upper Limits:N/AV

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

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

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

Spill Release Procedures:CAUTION. COMBUSTIBLE. LARGE SPILLS: ELIMINATE SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK IF POSSIBLE. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP

RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR (CONTD. SEE "TOXICOLOGICAL")

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

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

Other Precautions:ENVIRONMENTAL HAZARDS: PRODUCT IS CLASSIFIED AS AN ACUTE HEALTH HAZARD UNDER SARA TITLE III, SECTION 311-312. PRODUCT CONTAINS ISOPROPYL ALCOHOL (