

ROYAL LUBRICANTS COMPANY INC. -- ROYCO(R) 64 -- 9150-00-935-4018

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

Product ID:ROYCO(R) 64

MSDS Date:06/16/1999

FSC:9150

NIIN:00-935-4018

Status Code:A

MSDS Number: CKPPG

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:MERRY LN

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936-0518

Country:US

Info Phone Num:973-887-7411

Emergency Phone Num:9

73-887-7411

Resp. Party Other MSDS Num.:700,016-2

Preparer's Name:PRODUCT SAFETY RLC

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:SP0450-00-M-C494

CAGE:1MDA6

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

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Composition/Information on Ingredients  
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Ingred Name:SYNTHETIC ESTERADIPIC ACID, DIISOCTYL ESTER  
CAS:1330-86-5  
Minumum % Wt:70.  
Maxumum % Wt:80.

Ingred Name:MOLYBDENUM DISULFIDE  
CAS:1317-33-5  
RTECS #:QA4697000  
Minumum % Wt:3.  
Maxumum % Wt:7.

Ingred Name:GRAY ACETATE  
CAS:62-54-4  
RTECS #:AF7525000  
&lt; Wt:3.

Ingred Name:LITHIUM HYDROXYSTEARATE  
CAS:7620-77-1  
Minumum % Wt:10.  
Maxumum % Wt:15.

Ingred Name:OTHER COMPONENTS  
&lt; Wt:5.

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Hazards Identification  
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LD50 LC50 Mixture:NOT AVAILABLE  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: MAY BE SLIGHTLY IRRITATING. SKIN:  
PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH  
AS DERMATITIS., FOLLICULTIS OR OIL ACNE. RELEASE DURING HIGH  
PRESSURE USAGE MAY RESULT IN INJ ECTION OF OIL INTO THE SKIN  
CAUSING LOCAL NECROSIS. INHALATION: NO SPECIFIC INFORMATION  
IDENTIFIED

. INGESTION: NO SPECIFIC INFORMATION IDENTIFIED.

Explanation of Carcinogenicity: THIS PRODUCT DOES NOT CONTAIN AN  
CARCINOGEN IDENTIFIED BY IARC, NTP OR OSHA.

Effects of Overexposure: IRRITATION AS NOTED IN HEALTH HAZARDS. LOCAL  
NECROSIS IS EVIDENCED BY DELATED ONSET OF PAIN AND TISSUE DAMAGE A  
FEW HOURS FOLLOWING INJECTION

Medical Cond Aggravated by Exposure: PREEXISTING EYE & SKIN DISORDERS  
MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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===== First Aid Measures  
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First Aid: EYE: FLUSH WITH WATER FOR 15 MINS WHILE HOLDING EYELIDS OPEN.  
GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR &  
PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.  
INGESTION : DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS  
NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER,  
GET MEDICAL ADVICE. SKIN: REMOVE CONTAMINATED CLOTHING & WIPE  
EXCESS OFF. WASH WITH SOAP & WATER OR A WATERLESS HAND  
CLEANER  
FOLLOWED BY SOAP & WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY  
CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. (SUPPL)

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

Flash Point: =204.4C, 400.F  
(EST)

Autoignition Temp: Autoignition Temp Text: NONE P

Extinguishing 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: NO NOT ENTER  
CONFINED FIRE SPACE WITHOUT FULL

BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS. GLOVES & RUBBER  
BOOTS). INCLUDING A POSITIVE-PRESSURE NIOSH APPROVED SELF CONTAINED  
BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard: MATERIAL WILL NOT BURN UNLESS PREHEATED

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

Spill Release Procedures: MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE  
CAUTIOUS JUDGEMENT WHEN CLEANING UP LG SP

ILLS. LG SPILLS: WEAR

RESPIRATOR & PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. D IKE & CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT. DISPOSE OF PROPERLY. FLUSH AREA WITH WATER

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== 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:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS. USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATE.

Ventilation

:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Protective Gloves:GLOVES AS REQUIRED TO MINIMIZE CONTACT.

Eye Protection:SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

Other Protective Equipment:AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CLOTHING AS REQUIRED TO MINIMIZE CONTACT

Work Hygienic Practices:WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

1ST AID CONTINUED: IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION. NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY. LOW VOLATILITY PRODUCTS (I.E. MOST OILS & GREASES).

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

HCC:V6

Boiling Pt:B.P. Text:NOT AVAILABLE

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

Vapor Pres:NOT AVAILABLE

Spec Gravity:0.89

pH:NONE PROVIDED

Evaporation Rate & Reference:NOT AVAILABLE

Solubili

ty in Water:NEGLIGIBLE

Appearance and Odor:SMOOTH BUTTERY BLACK GREASE: HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAME.

Hazardous Decomposition Products:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information ==

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Toxicological Information:THIS SPECIFIC PRODUCT HAS NOT BEEN TESTED IN LONG-TERM, CHRONIC EXPOSURE TESTS. LUBRICATING GREASES ARE GENERALLY CONSIDERED TO BE OF A LOW ORDER OF TOXICITY TO HUMANS AND EXPERIMENTAL THIS PRODUCT DO ES NOT CONTAIN AN CARCINOGEN IDENTIFIED BY IARC, NTP OR OSHA. HOWEVER, THE HANDLING PROCEDURES AND SAFETY PRECAUTIONS IN THIS MSDS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYEE'S EXPOSURE.

===== Ecological Information

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Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Waste Disposal Methods:PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

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

Transport Information:NOT HAZARDOUS BY DOT REGULATIONS.

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

SARA Title III Information:NO DATA PROVIDED BY RESP

ONSIBLE PARTY.

Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

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