

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 43C -- 9150-00-269-8255

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

Product ID:ROYCO 43C
MSDS Date:07/18/1998
FSC:9150
NIIN:00-269-8255
Status Code:A
MSDS Number: CJMVS
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Box:518
City:E. HANOVER
State:NJ
ZIP:07936
Country:US
Info Phone Num:201-887-7410
Emergency Phone Num:(800)424-9300
Resp. Party Oth
er MSDS Num.:710,012-4
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-M-B028
CAGE:07950

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

Ingred Name:SYNTHETIC ESTER
CAS:1330-86-5
Minimum % Wt:20.
Maximum % Wt:30.

Ingred Name:HYDROCARBONS
CAS:68649-12-7
Minimum % Wt:50.
Maximum %

Wt:60.

Ingred Name:LITHIUM HYDROXYSTEARATE

CAS:7620-77-1

Minumum % Wt:10.

Maxumum % Wt:20.

Ingred Name:OTHER COMPONENTS

< Wt:6.

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

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

Health Hazards Acute and Chronic:EYES: MAY BE MILDLY IRRITATING. SKIN:

PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS. FOLLICULITIS OR OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN

INJ ECTION OF OIL INTO THE SKIN

CAUSING LOCAL NECROSIS. INHALATION & INGESTION: NO SPECIFIC INFORMATION IDENTIFIED.

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

Effects of Overexposure:EYES: MILDLY IRRITATING. SKIN: DERMATITIS, FOLLICULITIS OR OIL ACNE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE HOURS FOLLOWING INJECTION.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE AND SKIN DISORDERS

MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MIN. WHILE HOLDING EYELIDS

OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING & WIPE EXCESS OFFF. WASH WITH SOAP & WATER OR A WATERLESS HAND CLEANER FOLLOWE D BY SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. INHALATION: REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING I

S DIFFICULT. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VO MITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTIITES OF PRODUCT INGESTED. HOWEVER, GET MEDICAL ADVICE. NOTE: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLITI LITY PRODUCTS, I.E. MOST OILS/GREASES.

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

Flash Point Method:COC

Flash Point:>204.4C, 400.F

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Medi

a:USE WATER FOG, 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:DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

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

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER.

===== 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:MINIMIZE SKIN CONTACT. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Protective Gloves:OIL RESISTANT

Other Protective Equipment:USE OIL RESISTANT GLOVES AND OTHER CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.

Supplemental Safety and Health

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

HCC:V6

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

Evaporation Rate & Reference:NA

Solubility in Water:INSOLUBLE

Appearance and Odor:SMOOTH TAN GREASE WITH SLI

GHT ODOR.

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

Stability Indicator/Materials to Avoid: YES

AVOID HEAT, OPEN FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS. THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS.

Stability Condition to Avoid: AVOID HEAT, OPEN FLAME.

Hazardous Decomposition Products: A COMPLEX MIXTURE OF AIRBORNE SOLID. LIQUID PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

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

Transport Information: DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY DOT REGULATIONS.

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

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

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

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