

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

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

Product ID:ROYCO 43 C

MSDS Date:07/15/1998

FSC:9150

NIIN:00-269-8255

MSDS Number: CKYFP

=== 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:201-887-7411

Emergency Phone Num:973-887-7410

Prep

arer's Name:NOT PROVIDED

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:SP0450-01-M-LH58

CAGE:07950

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:SPO450-01-M-C939

CAGE:07950

===== Composition

/Information on Ingredients =====

Ingred Name:SYNTHETIC ESTER
CAS:1330-86-5
Minumum % Wt:20.
Maxumum % Wt:30.
Other REC Limits:NOT PROVIDED

Ingred Name:HYDROCARBONS
CAS:68649-12-7
Minumum % Wt:50.
Maxumum % Wt:60.
Other REC Limits:NOT PROVIDED

Ingred Name:LITHIUM HYDROXYSTEARATE
CAS:7620-77-1
Minumum % Wt:10.
Maxumum % Wt:20.
Other REC Limits:NOT PROVIDED

Ingred Name:OTHER COMPONENTS
< Wt:6.
Other REC Limits:NOT PROVIDED

===== 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 CONTACT: MAY BE MILDLY IRRITATING
TO EYES. SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE
VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS, OIL ACNE.
RELEASE DURING HIGH PRESSURE USA GE MAY RESULT IN INJECTION OF OIL
INTO SKIN CAUSING LOCAL NECROSIS. INHALATION: NO SPECIFIC
INGORMATION IDENTIFIED. INGESTION: NO SPECIFIC INGORMATI

ON

IDENTIFIED. CHRONIC - PRODUCT HAS NOT BEEN TESTED . LUBRICATING
GREASES ARE GENERALLY CONSIDERED TO VE OF A LOW ORDER OF ACUTE
TOXICITY TO HUMANS AND ANIMALS.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY
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.

Effects of Overexposure:IRRITATION AS NOTED ABOVE. LOCAL NECROSIS IS
EVIDENCED B

Y DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

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

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First Aid Measures
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First Aid: EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS OFF. WASH SKIN WITH WATERLESS CLEANER AND/OR SOAP

AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE. DO NOT WAIT FOR SYMPTOMS. INHALATION: REMOVE VICTIM TO FRESH AIR AND 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. GET MEDICAL ADVICE.

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Fire Fighting Measures
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Flash Point Method: COC
Flash Point: >204.4C, 400.F
BASE OIL

Lower Limits: N/AV

Upper Limits: N/AV

Extinguishing Media: 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 EQUIP

MENT AND STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard: NOT PROVIDED

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

Neutralizing Agent: NOT RELEVANT

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Handling and Storage
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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. WASH WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.
LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF
CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE
DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.
Ventilation:NOT PROVIDED
Protective Gloves:OIL RESISTANT GLOVES.
Eye Protection:NOT PROVIDED
Other Protective Equipment:
Equipment:CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.
Work Hygienic Practices:NOT PROVIDED
Supplemental Safety and Health
NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH
VISCOSITY, LOW VOLATILITY PRODUCTS, I.E. MOST OILS AND GREASES.
ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN.
N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:V6
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:NOT AVAILABLE
Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:NOT AVAILABLE
Vapor Density:N/AV
Spec Gravity:NOT AVAILABLE
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:INSOLUBLE.
Appearance and Odor:SMOOTH TAN GREASE WITH SLIGHT ODOR.
Percent Volatiles by Volume:NOT PROVIDED
Corrosion Rate:NOT PROVIDED

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

St

ability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: HEAT, OPEN FLAME

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

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

Toxicological Information: BASED UPON DATA AVAILABLE TO ROYAL, COMPONENT 4 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

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

Ecological: NOT PROVIDED

===== 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 D.O.T. REGULATIONS.

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

SARA Title III Information: EPA - CLEAN WATER ACT (CWA). THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SURFACE WATERS OR (B) ANY WATERCOURSES OR SEWERS ENTERING/LEAVING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

Federal Regulatory Information

: THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY OF CHEMICAL SUBSTANCES.

State Regulatory Information: NOT PROVIDED

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

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