

ROYAL LUBRICANTS COMPANY INC. -- ROYCO(R) 46 TF -- 9150-00-949-0323

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Product Identification  
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Product ID:ROYCO(R) 46 TF

MSDS Date:07/18/1995

FSC:9150

NIIN:00-949-0323

Status Code:A

MSDS Number: CLCSQ

=== 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:201-887-7410

Emergency Phone

Num:201-887-7411

Preparer'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

CAGE:07950

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-LD88

CAGE:0PGK2

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Composition/Information on Ingr

edients =====

Ingred Name:SYNTHETIC ESTER  
CAS:122-62-3  
RTECS #:VS1000000  
Minumum % Wt:60.  
Maxumum % Wt:70.  
Other REC Limits:NOT PROVIDED

Ingred Name:POLYTETRAFLUOROETHYLENE  
CAS:9002-84-0  
RTECS #:KX4025000  
Minumum % Wt:20.  
Maxumum % Wt:30.  
Other REC Limits:NOT PROVIDED

Ingred Name:BARIUM DINONYLNAPHTHALENE SULFONATE  
CAS:25619-56-1  
Minumum % Wt:1.  
Maxumum % Wt:2.  
Other REC Limits:NOT PROVIDED

Ingred Name:LITHIUM STEARATE  
CAS:4485-12-5  
RTECS #:WI4370000  
Minumum % Wt:2.  
Maxumum % Wt:5.  
Other REC Limits:NOT PROVIDED

Ingred Name:DIISOPROPYL HYDROGEN PHOSPHITE  
CAS:1809-20-7  
RTECS #:SZ7660000  
&lt; Wt:2.  
Other REC Limits:NOT PROVIDED

Ingred Name:OTHER ADDITIVES  
&lt; Wt:2.  
Other REC Limits:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: BASED ON PRESENCE OF COMPONENTS 3  
AND 5 PRODUCT IS PRESUMED TO BE IRRITATING TO THE

EYES. SKIN:

PROLONGED/REPEATED CONTACT CAUSES SERIOUS SKIN DISORDERS (DERMATITIS, FOLLICULITIS, OIL ACNE). RELEASE DURING HIGH PRESSURE LINE MAY RESULT IN INJECTION OF OIL INTO SKIN CAUSING LOCAL NECROSIS. INHALATION: INHALING FUMES OF DECOMPOSITION PRODUCTS CAN INDUCE TEMPORARY INFLUENZA-LIKE SYMPTOMS (POLYMER FUME FEVER). INGESTION: NO SPECIFIC INFORMATION IDENTIFIED. CHRONIC EXPOSURE TESTS ARE NOT DONE. HOWEVER, THE HANDLING PROCEDURES SHOULD BE FOLLOWED TO

MINIMIZE EMPLOYEE'S EXPOSURE.

Explanation of Carcinogenicity:PER MSDS:DOES NOT CONTAIN ANY CARCINOGENS AS IDENTIFIED BY IARC, NTP, OSHA.

Effects of Overexposure:IRRITATION, LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. DERMATITIS, FOLLICULITIS, OIL ACNE. POLYMER FUME FEVER, COUGH, MALAISE.

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:EYE: WASH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN .GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WIPE EXCESS OFF. WASH WITH SOAP AND WATER OR WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. IF INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY. DO NOT WAIT FOR SYMPTOMS TO DEVELOP. 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. HOWEVER, GET MEDICAL ADVICE.

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

Flash Point:>93.3C, 200.F  
EST.

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:USE WATER FOG, DRY CHEMICAL, CO2. DO NOT USE A DIRECT STREAM OF WA

TER. 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 EXPOSE CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

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

APPROPRIATE CLEANER.

Neutralizing Agent:NOT RELEVANT

===== 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. 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.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventilation:NOT PROVIDED

Protective Gloves:OIL RESISTANT GLOVES AS NEEDED

Eye Protection:CHEMICAL GOGGLES IF THERE IS LIKELIHOOD OF CONTACT OR HIGH PRESSURE APPLICATION

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

Work Hygienic Practices:NOT PROVIDED

Supplemental

ental Safety and Health

AVOID CONTACT WITH EYES. 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.

===== 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 A

AVAILABLE

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT TAN SEMI-FLUID WITH SLIGHT ODOR.

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, OPEN FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,

LIQUID PARTICULATES AND GASES WILL EVOLVE. TETRAFLUORETHYLENE (>800F), HEXAFLUOROPROPYLENE (>825F), PERFLUORISOBUTYLENE (>885F) AND CABONYL FLUORIDE(>930F) MAY FORM.

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

Toxicological Information:ACUTE ORAL LD50 FOR COMPONENT 5: 3.1 G/KG (RAT). ACUTE DERMAL LD50: 5.7 G/KG (RABBIT). ACUTE INHALATION LC50: NOT PROVIDED. BASED UPON DATA AVAILABLE TO ROYAL, COMPONENT 6 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:CONTAINS BARIUM AT > 100 MG/L. UNDER EPA-RCRA (40 CFR 261.24), A WASTE CONTAINING BARIUM IS HAZARDOUS (WASTE NUMBER D005), IF IT EXHIBITS THE CHARACTERISTIC OF TOXICITY BASED ON THE EXTRACTED CONCENTRATION OF BARIUM AS SHOWN BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). MATERIAL MAY BE RECYCLED. CHECK LOCAL AND STATE REGULATIONS.

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

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS.

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

SARA Title III Information:UNDER SARA TITLE III, SECTION 313, THIS PRODUCT CONTAINS BARIUM COMPOUNDS.

Federal Regulatory

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

State Regulatory Information:SUBTITLE C REGULATIONS: CHECK YOUR LOCAL AND STATE AUTHORITIES FOR OTHER REGULATIONS THAT MAY APPLY.

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

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