

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 46 TF -- 9150-01-109-7793

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

Product ID:ROYCO 46 TF

MSDS Date:07/18/1995

FSC:9150

NIIN:01-109-7793

MSDS Number: CJKYP

=== 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:201-877-7411

Resp. Party Other MSDS Num

.:710,014-3

Chemtec 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:SP0450-00-M-C430

CAGE:0PGK2

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-C744
CAGE:0PGK2
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:SP0450-99-M-B249
CAGE:0PGK2

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Composition/Information on Ingredients
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Ingred Name:SYNTHETIC ESTER
CAS:122-62-3
RTECS #:VS1000000
Minumum % Wt:60.
Maxumum % Wt:70.

Ingred Name:POLYTETRAFLUOROETHYLENE
CAS:9002-84-0
RTECS #:KX4025000
Min
umum % Wt:20.
Maxumum % Wt:30.

Ingred Name:BARIUM DINONYLNAPHTHALENESULFONATE
CAS:25619-56-1
Minumum % Wt:1.
Maxumum % Wt:2.

Ingred Name:LITHIUM STEARATE
CAS:4485-12-5
RTECS #:WI4370000
Minumum % Wt:2.
Maxumum % Wt:8.

Ingred Name:DIISOPROPYL HYDROGEN PHOSPHITE
CAS:1809-20-7
RTECS #:SZ7660000
< Wt:2.

Ingred Name:OTHER ADDITIVES
< Wt:2.

=====
Hazards Identification
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LD50 LC50 Mixture:NONE GIVEN FOR PRODUCT AS A WHOLE
Reports of Carcinogenicity:NTP

:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: 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 INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS. INHALATION: CAN INDUCE TEMPORARY INFLUENZA-LIKE SYMPTOMS DESCRIBED AS "POLYMER FUME FEVER." INGESTION: NO SPECIFIC INFORMATION IDENTIFIED.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY

CARCINOGEN AS IDENTIFIED BY IARC, NTP, OR OSHA.

Effects of Overexposure:INHALATION: SYMPTOMS OF "POLYMER FUME FEVER" INCLUDE FEVER, COUGH AND MALAISE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

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

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

First Aid:E

YES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING & WIPE EXCESS OFF. WASH WITH SOAP & WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP & WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE. DON'T WAIT FOR SYMPTOMS TO DEVELOP. INHALATION: REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ADVICE.

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

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

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 I

INCLUDING A NIOSH APPROVED

SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURE WITH WATER.

Unusual Fire/Explosion Hazard:NO DATA PROVIDED BY MANUFACTURER.

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

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

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handl

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

Other Precautions:MINIMIZE SKIN CONTACT.

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

Respiratory Protection:NOT ORDINARILY REQUIRED

Ventilation:NO DATA PROVIDED BY MANUFACTURER.

Protective Gloves:USE OIL RESISTANT GLOVES

Eye Protection:WEAR CHEMICAL GOGGLES

Other Protective Equipment:CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.

Work H

ygienic Practices:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTILCES.

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.

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

HCC:V5

Solubility in Water

:INSOLUBLE

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

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

Stability Condition to Avoid:AVOID HEAT, OPEN FLAME

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MISTURE OF AIRBORNE SOLID, LIQUID PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIA

L UNDERGOES PYROLYSIS.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:DIISOPROPYL HYDROGEN PHOSPHITE (1809-20-7):
LD50 3.1 G/KG (RAT).; ACUTE DERMAL LD50 5.7 G/KG (RABBIT).

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

Ecological:ENVIRONMENTAL HAZARD: 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 ENT ERING/LEAVING TO SURFACE WATER WATERS
THANT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE
CENTER, 800-424-8802. UNDER SARA TITLE III, SECTION 313 THIS
PRODUCT CONTAINS BARIUM COMPOUNDS.

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

Waste Disposal Methods:REFER TO THE LATEST EPA OR STATE REGULATIONS
REGARDING DISPOSAL. THE MATERIAL MAY BE RECYCLED.

===== MSDS Tra
nsport Information =====

Transport Information:NOT HAZARDOUS BY DOT 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.
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

===== Other Infor
mation =====

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