

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 46 -- 9150-00-889-3522

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

Product ID:ROYCO 46

MSDS Date:07/18/1995

FSC:9150

NIIN:00-889-3522

MSDS Number: BSCXT

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:MERRY LN (FORMALLY 6 CAMPUS DR)

Box:518

City:EAST HANOVER (FORMALLY IN PARSIPPANY)

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-741

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Emergency Phone Num:201-887-7411

Resp. Party Other MSDS Num.:710,002-3

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:07950

=== Contractor Identification ===

Company Name:AMERICAN INK AND OIL CORP

Address:33 ENDICOTT STREET

Box:City:NORWOOD

State:MA

ZIP:02062-3006

Country:US

Phone:781-762-0026 / FAX: 781-762-1617

CAGE:82956

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:SP0450-01-M-C328
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 ESTER
CAS:122-62-3
RTECS #:VS1000000
Minumum % Wt:80.
Maxumum % Wt:90.
Other REC Limits:NOT PROVIDED

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

Ingred Name:DIISOPROPYL HYDROGEN PHOSPHITE
CAS:1809-20-7
RTECS #:SZ6600000
< Wt:2.
Other REC Limits:NOT PROVIDED

Ingred Name:OTHER COMPONENTS
< Wt:10.
Other REC Limits:NOT PROVIDED

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: BASED ON THE PRESENCE OF
COMPONENTS 2 AND 3, PRODUCT IS PRESUMED TO BE IRRITATING TO THE
EYES

. SKIN CONTACT: PROLONGED OR RELEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMITI TIS, FOLLICULITIS OR OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS. INHALATION: NOT EXPECTED TO BE A RELEVANT ROUTE OF EXPOSURE, HOWE VER, UNDER HIGH TEMPERATURE CONDITIONS, VAPORS IRRITATING TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT MAY BE PRODUCED. INGESTION: NO SPECIFIC INFORMATION IDENTIFIED.

Explan

ation of Carcinogenicity:NONE

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

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

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

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS OFF. WASH WITH SOAP AND WATER/WATERLESS HAND CLEANER FOLLOWED BY 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 TO DEVELOP. IN HALATION: REMOVE VICTIM TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDIAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IN GENERAL NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES AR E INGESTED. HOWEVER, GET MEDICAL ADVICE

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

Flash Point:>93.3C, 200.F
EST

Extinguishing Media:WATER FOG, DRY CHEMICAL/CARBON DIOXIDE. DON'T USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREAT

HING APPARATUS. COOL FIRE EXPOSED 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 COOL, DRY PLACE, WITH
ADEQUATE VENTILATION. KEEP
AWAY FROM OPEN FLAMES AND HIGH
TEMPERATURES. KEEP OUT OF REACH OF CHILDREN.

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

Eye Protection:CHEMICAL GOGGLES IF THERE IS LIKELYHOOD OF CONTACT WITH
EYES

Other Protective Equipment:USE OIL RESISTANT 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 OR 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

Spec Gravity:NOT AVAILABLE

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance and Odor:TAN SEMI-FLUID, SLIG

HT ODOR

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:OPEN FLAMES, HEAT

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.

===== Toxicologic
al Information =====

Toxicological Information:BASED UPON DATA AVAILABLE TO ROYAL, COMPONENT 4 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (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:NOT PROVIDED

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

State Regulatory Information:NOT PROVIDED

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

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