

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 49 B -- 9150-00-823-8047

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

Product ID:ROYCO 49 B

MSDS Date:02/01/1999

FSC:9150

NIIN:00-823-8047

MSDS Number: BFRDS

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:MERRY LN (FORMALLY 6 CAMPUS DR)

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-7410

Emergency Phone Num

:201-887-7411

Resp. Party Other MSDS Num.:ROYAL MSDS NO: 710,015-3

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

Contract Num:SP0450-00-M-C176

CAGE:07950

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:215 MERRY LN

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936

Country:US

Phone:973-887-7411/74

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Contract Num:SP0450-01-M-C703
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:SP0450-01-M-GA86
CAGE:07950

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Composition/Information on Ingredients
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Ingred Name:SOLVENT REFINED, RESIDUAL OIL
CAS:64742-57-0
Minumum % Wt:70.
Maxumum % Wt:80.
Other REC Limits:NOT PROVIDED

Ingred Name:ORGANOPHILIC CLAY
CAS:68953-58-2
RTECS #:UZ2996400
Minumum % Wt:10
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Maxumum % Wt:15.
Other REC Limits:NOT PROVIDED

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
Minumum % Wt:3.
Maxumum % Wt:8.
Other REC Limits:NOT PROVIDED

Ingred Name:SODIUM NITRITE
CAS:7632-00-0
RTECS #:RA1225000
< Wt:3.
Other REC Limits:NOT PROVIDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

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

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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: NOT A RELEVANT ROUTE

OF EXPOSURE. HOWEVER, UNDER HIGH TEMPERATURE CONDITIONS, VAPORS ARE IRRITATING TO NOSE, THROAT, AND UPPER RESPIRATORY TRACT.

INGESTION: NO SPECIFIC INFORMATION IDENTIFIED. CHRONIC - PRODUCT HAS NOT BEEN TESTED. LUBRICATING GREASES ARE GENERALLY CONSIDERED TO BE 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 BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

Medical Cond Aggravated by Exposure:PREEXISTING 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 V

OMITING. 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:>210.C, 410.F

BASE OIL

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 PROTECT

IVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF
CONTAINED BREATHING 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 Precautio

ns: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 O

RDINARILY REQUIRED

Ventilation:NOT PROVIDED

Protective Gloves:OIL RESISTANT GLOVES

Eye Protection:GOGGLES FOR HIGH PRESSURE APPLICATIONS

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

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING,
DRINKING, SMOKING OR USING TOILET FACILITIES.

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 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

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE

Vapor Pres:NOT AVAILABLE

Spec Gravity:NOT AVAILABLE

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance and Odor:BLACK BUTTERY GREASE - SLIGHT ODOR

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HEAT, OPEN FLAMES

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.

Conditions to Avoid Polymerization: WILL NOT OCCUR

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

Toxicological Information: NO DATA PROVIDED BY MANUFACTURER

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

Ecological: 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/LEADING TO SURFACE WATERS THAT 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: CONTAINS BARIUM. UNDER EPA-RCRA (40 CFR 261.24), A WASTE IS HAZARDOUS IF IT EXHIBITS THE CHARACTERISTIC OF TOXICITY BASED ON AN EXTRACTED VALUE OF >100 MG/L BARIUM (WASTE NUMBER D005) AS MEASURED BY TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP). ALTERNATIVELY, 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. EPA - COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT. UNDER THE EPA - CERCLA ("SUPERFUND"),

RELEASE TO AIR, LAND OR WATER WHICH EXCEED THE REPORTABLE QUANTITY MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802. THE REPORTABLE QUANTITY (RQ) OF THIS PRODUCT IS 3,200 LBS. , WHICH IS BASED ON THE PRESENCE OF COMPONENT 4.

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:NO DATA PROVIDED BY MANUFACTURER

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

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