

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 49B -- 9150-00-235-5555

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

Product ID:ROYCO 49B

MSDS Date:07/18/1995

FSC:9150

NIIN:00-235-5555

MSDS Number: CJMWG

=== 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) 887-7411

Resp. Party Other MSDS Num.:

710,015-3

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:07950

=== Contractor Identification ===

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-LH49

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

Contract Num:SP0450-01-M-C312

CA

GE: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:SP0450-99-M-B236
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-C154
CAGE:0PGK2

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===== Composition/Information on Ingredients =====

Ingred Name:SOLVENT REFINED, RESIDUAL OIL
CAS:64742-57-0
Minum
um % Wt:70.
Maxumum % Wt:80.
Other REC Limits:NOT PROVIDED

Ingred Name:ORGANOPHILIC CLAY
CAS:68953-58-2
RTECS #:UZ2996400
Minumum % Wt:10.
Maxumum % Wt:15.
Other REC Limits:NOT PROVIDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Ingred Name:BARIUM DINONYLNAPHTHALENE SULFO

NATE
CAS:25619-56-1
< Wt:1.
Other REC Limits:NOT PROVIDED

Ingred Name:OTHER ADDITIVES
< Wt:10.
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 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:NONE

Effects of Overexposure:IRRITATING TO EYES. PROLONGED OR REPEATED SKIN
CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS,
FOLLICULITIS, OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY
RESULT IN INJECTION OF OIL INTO SKIN CAUSING LOCAL NECROSIS.
INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL
MISTS MAY BE MILDLY IRRITATING TO NOSE, THROAT, AND RESPIRATORY
TRACT. 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: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, GE

T 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

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

Flash Point

Test Method: COC

Flash Point: >210.C, 410.F

BASE OIL (COC)

Extinguishing Media: 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 NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard: NOT PROVIDED

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===== 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

Eye Protection: SHOULD BE WORN IF USED IN HIGH PRESSURE APPLICATIONS.

Other Protective Equipment: OTHER CLOTHING AS NEEDED

O 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.

===== 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:NO

T AVAILABLE

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance and Odor:BLACK BUTTERY GREASE, 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:HEAT, OPEN FLAME.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID PARTICULATES AND GASE

S WILL EVOLVE. CARBON MONOXIDE AND

UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:ACUTE ORAL LD50 FOR SODIUM NITRITE

INGREDIENT: 85 MG/KG (RAT). OTHER ADDITIVE COMPONENTS ARE NOT

HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR
1910.1200). NO OSHA / PEL OR ACGIH / TLV HAS BEEN ESTABLISHED.

NORMAL USE OF

THIS PRODUCT SHOULD NOT RESULT IN OVEREXPOSURE TO THE SODIUM NITRITE INGREDIENT IN THE PRODUCT. IN CASE OF ACCIDENTAL INGESTION, SODIUM NITRITE MAY ALTER THE BLOOD (HEMOGLOBIN) TO REDUCE OXIGEN CARRYING CAPACITY; CYANOSIS (BLUISH SKIN), SHORTNESS OF BREATH, PALPITATIONS, COMA, AND/OR DEATH MAY OCCUR.

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

Ecological:EPA - CLEAN WATER ACT (CWA):THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT.

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===== 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 EXHIBIT THE CHARACTERISTIC OF TOXICITY BASED ON THE EXTRACTED CONCENTRATION OF BARIUM AS SHOWN BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). MATERIAL MAY BE RECYCLED. (COND. SEE "OTHER INFORMATION")

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

Transport Information:NOT HAZARDOUS BY D.O.T. REGULATIONS.

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

SARA Title III Information:UNDER EPA-CWA, THIS PRODUCT IS CONSIDERED AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATER 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. 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 SODIUM NITRITE.

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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