

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 363B, MIL-PRF-7870C -- 9150-00-263-3490

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

Product ID:ROYCO 363B, MIL-PRF-7870C

MSDS Date:09/18/2000

FSC:9150

NIIN:00-263-3490

Status Code:A

MSDS Number: CLHNG

=== 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:973-88

7-7411/7410

Emergency Phone Num:201-887-7411 800-424-9300

Resp. Party Other MSDS Num.:MSDS NO 750,060-3

Chemtec 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: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:

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Composition/Information on Ingredients
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Ingred Name:HYDROTREATED LIGHT NAPHTHENIC DISTILLATE, PETROLEUM
CAS:64742-53-6
RTECS #:PY8036000
Minumum % Wt:80.
Maxumum % Wt:90.

Ingred Name:SOLVENT REFINED LIGHT NAPHTHENIC DISTILLATE, PETROLEUM
CAS:64741-97-5
RTECS #:PY8041000
Minumum % Wt:10.
Maxumum % Wt:20.

Ingred Name:ADDITIVE CONTAINING BARIUM
= Wt:2.

Ingred Name:MINOR ADDITIVES
< Wt:1.

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Hazards Identification
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:BASED ON COMPONENT INFO, PRODUCT IS EXPECTED TO BE NO MORE THAN MILDLY IRRITATING TO THE EYES & SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS. FOLLICULITIS OR OIL ACNE. INHALATION: INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MISTS MAY BE MILDLY IRRITATING TO THE NOSE. THROAT AND RESPIRATORY TRACT. INGESTION: INGESTION OF

PRODUCT MAY R ESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY CARCINOGEN AS IDENTIFIED BY NTP, IARC, OR OSHA.

Effects of Overexposure:ASPIRATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING, CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR. IRRITATION OF EYES AND SKIN.

Medical Cond Aggravated by E

xposure:PREEXISTING EYE AND SKIN DISORDERS
MAY BE AGGRAVATED BY EXPOSURE TO COMPONENTS OF THIS PRODUCT.

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

First Aid:EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY W ASHING WITH SOAP AND WATER. IF IRRITATION OCCURS. GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED. INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET M EDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC
Flash Point:=176.7C, 350.F
Extinguishing Media:USE WATER FOG, FOAM, 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:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD. BUNKER COATS, GLOVES AND RUBBER BOOTS). INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
Unusual Fire/Explosion Hazard:SULFUR OXIDES AND HYDROGEN SULFIDE. BOTH OF WH ICH ARE TOXIC. MAY BE RELEASED UPON COMBUSTION.

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGEMENT WHEN CLEANING UP LARGE SPILLS; WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AN D CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH ABSORBENT SUCH AS CLAY, SAND OR OTHER SUIT

ABLE MATERIAL: DISPOSE OF PROPERLY. FLUSH
AREA WITH WATER.

Neutralizing Agent:SMALL SPILL: TAKE UP WITH AN ABSORBENT SUCH AS CLAY,
SAND AND DISPOSE OF PROPERLY.

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===== 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:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING,
SMOKING. APPLYING COSMETICS, OR USING TOILE
T FACILITIES, LAUNDRER
CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL
EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO
PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN
ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR
ORGANIC VAPORS AND PARTICULATES.

Ventilation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR

CONCENTRATIONS.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES AND CLOTHING AS
REQUIRED TO MINIMIZE CONTACT.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

Other Protective Equipment:AVOID CONTACT WITH EYES. AVOID PROLONGED OR
REPEATED CONTACT WITH SKIN.

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING,
DRINKING, SMOKING. APPLYING COSMETICS, OR USING TOILET FACILITIES,
LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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SEE OTHER INFORMATION SECTION.

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

HCC:V6

Boiling Pt:=232.2C, 450.F

B.P. Text:APPROXIMATE

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

Vapor Pres:NOT AVAILABLE

Spec Gravity:.88 (H2O=1)

Viscosity:(CST) 100 DEG F 10.64

Evaporation Rate & Reference:(N-BUTYL ACETATE=1)