

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 363B -- 9150-00-273-2397

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

Product ID:ROYCO 363B

MSDS Date:09/18/2000

FSC:9150

NIIN:00-273-2397

Status Code:A

MSDS Number: CLCQL

=== 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:973-887-7410

Emergency Phone Num:(20

1) 887-7411

Resp. Party Other MSDS Num.:750, 060-3

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

Contract Num:SP0450-01-M-LD53

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:07950

===== Co

Composition/Information on Ingredients =====

Ingredient Name:HYDROTREATED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM)  
CAS:64742-53-6  
RTECS #:PY8036000  
Minimum % Wt:80.  
Maximum % Wt:90.

Ingredient Name:SOLVENT REFINED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM)  
CAS:64741-97-5  
RTECS #:PY8041000  
Minimum % Wt:10.  
Maximum % Wt:20.

Ingredient Name:ADDITIVE CONTAINING BARIUM  
= Wt:2.

Ingredient Name:MINOR ADDITIVES  
& Wt:1.

===== Hazards Identification =====

Routes of Entry: Inh  
Absorption: YES Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: EYES: MILDLY IRRITATING. SKIN: MILDLY  
IRRITATING. SKIN: MILDLY IRRITATING. PROLONGED OR REPEATED CONTACT  
MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS  
OR OIL ACNE. INHALATION: MILDLY IRRITATING TO THE NOSE, THROAT &  
RESPIRATORY TRACT. INGESTION: MAY RESULT IN VOMITING.  
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. IN SEVERE CASES DEATH MAY OCCUR.  
Medical Conditions Aggravated by Exposure: PREEXISTING EYE AND SKIN DISORDERS  
MAY BE AGGRAVATED BY EXPOSURE TO COMPONENTS OF THIS PRODUCT.

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

First Aid: EYES: FLUSH WITH PLENTY OF WATER FOR 15 MIN WHILE HOLDING  
EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES &

WIPE

EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP & WATER. INHALATION: REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION FOR ALL EXPOSURES.

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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 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 WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION.

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

Spill Release Procedures:LARGE SPILLS: WEAR RESPIRATOR & PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK, IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH ABSORBENT. DISPOSE OF PROPERLY. FLUSH AREA WITH WATER. SMALL SPILLS: TAKE UP WITH AN ABSORBENT MATERIAL & 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 TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Personal Protection =====

Respiratory Protection:USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE 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 AS REQUIRED TO MINIMIZE CONTACT.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

Other Protective Equipment:WEAR OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

Supplemental Safety and Health

NOTE TO PHYSICIAN- IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED & VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION.

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

HCC:V6

Boiling P

t:=232.2C, 450.F

B.P. Text:APPROX.

Spec Gravity:.88

Viscosity:(CST) 100 DEG F 10.64

Evaporation Rate & Reference: