

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 308A -- 9150-00-231-9045

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

Product ID:ROYCO 308A

MSDS Date:07/18/1995

FSC:9150

NIIN:00-231-9045

Status Code:A

MSDS Number: CJTXB

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936-0518

Country:US

Info Phone Num:973-887-7411 / 7410 973-887-8404

Emergency Phone Num

:(800)424-9300

Resp. Party Other MSDS Num.:750,002-2

Preparer's Name:PRODUCT SAFETY, RLC INC.

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: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:SP0

450-99-D-0498  
CAGE:07950

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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:85.  
Maxumum % Wt:95.  
OSHA PEL:5 MG/M3 OIL MIST  
ACGIH TLV:5 MG/M3 OIL MIST

Ingred Name:SOLVENT REFINED, HYDROTREATED MIDDLE DISTILLATE  
CAS:64742-46-7  
RTECS #:JN9379645  
Minumum % Wt:1.  
Maxumum % Wt:5.  
OSHA PEL:5 MG/M3 OIL MIST  
ACGIH TLV:5 MG/M3 OIL MIST

Ingred Name:BARIUM DINONYLNAPHTHALENE S  
ULFONATE  
CAS:25619-56-1  
Minumum % Wt:1.  
Maxumum % Wt:2.  
OSHA PEL:0.5 MG/M3 SOL BA  
ACGIH TLV:0.5 MG/M3 SOL BA

Ingred Name:MINOR ADDITIVES (NON-HAZARDOUS)  
&lt; Wt:4.

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE CONTACT: BASED ON PRESENCE OF  
COMPONENT 3, PRODUCT IS IRRITATING TO THE EYES. SKIN CONTACT:  
PROLONGED OR REPE  
ATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH  
AS DERMATITIS, FOLLICULITIS OR OIL A CNE. INHALATION: INHALATION OF  
VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY BE  
MILDLY IRRIATATING TO THE NOSE. THROAT AND RESPIRATORY TRACT.  
INGESTION: INGESTION OF PRODUCT MAY RESULT IN VOMITING, ASPIRATION  
(BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL  
QUATITIES MAY RESULT IN ASPIRATION PNEUMONITIS.  
Explanation of Carcinogenicity:THIS PRODUCT DOES

NOT CONTAIN ANY

CARCINOGEN AS IDENTIFIED BY IARC, NTP OR OSHA.

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

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: IMMEDIAT ELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SK IN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS. GET MEDICAL 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.

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

Flash Point Method:COC  
Flash Point:>148.9C, 300.F  
Lower Limits:N/AV  
Upper Limits:N/AV

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 CONFINE FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET) WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS ), INCLUDING A POSITIVE PRESSURE NIOS H APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard:PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

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

Spill Release Procedures:REMOVE SOURCES OF IGNITION. WEAR PROTECTIVE EQUIPMENT. LARGE SPILL: WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DIKE AND CONTAIN SPILL. DO NOT ALLOW SPILL TO ENTER DRAINS,

## SEWERS OR

WATERWAYS. RECOVER FREE -LIQUID IF POSSIBLE. ABSORB SPILL WITH INERT MATERIAL AND PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL. SMALL SPILLS: SOAK UP WITH INERT ABSORBENT. STORE IN CLOSED CONTAINER FOR PROPER DISPOSAL.

### ==== 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 THOROUGHLY WITH SOAP AND WATER BEFORE EATING/DRINKING/SMOKING & AT END OF WORKDAY. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, 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.

#### Protective

Gloves:WEAR NITRILE GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Eye Protection:CHEMICAL GOGGLES.

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

#### Supplemental Safety and Health

TEST DATA FROM PUBLISHED LITERATURE AND/OR CLOTHING MANUFACTURERS INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

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

HCC:V6

Boiling Pt:B.P. Text:N/A (NOT AVAILABLE)

Va

apor Pres:NA

Vapor Density:NA

Spec Gravity:0.88

Viscosity:CS(40C): 12

Evaporation Rate & Reference:NA

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT AMBER OIL, SLIGHT HYDROCARBON ODOR.

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,

PARTICULATE GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES  
PYROLYSIS/COMBUSTION.CARBON MONOXIDE & OTHER UNIDENTIFIED ORGANIC  
COMPOUNDS MAY BE FORMED UPON COMBUSTION

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:TOXICITY WARNING: DO NOT USE THIS OIL IN FOOD  
PROCESSING OR FOOD HANDLING EQUIPMENT ON SURFACES THAT MAY CONTACT  
FOOD. DO NOT ALLOW THE OIL TO CONTAMINATE FOODSTUFFS.

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

Ecological:UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER  
SEC 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A  
SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER,  
800-424-8802.

===== Disposal Considerations =====

Waste Disposal Methods:THIS PRODUCT CONTAINS BARIUM AT GREATER THAN 100  
MG/L. UNDER EPA-RCRA (40CFR261.24) THIS IS A HAZARDOUS WASTE  
(#D0005)

. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL  
REGULATIONS. OR MATERIAL MAY B E RECYCLED. HAZARDOUS USED OIL THAT  
IS RECYCLED IS MINIMALLY REGULATED UNDER RCRA OR EXEMPT UNDER SU  
BTITLE C. CHECK WITH LOCAL AUTHORITIES.

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

Transport Information:NOT REGULATED.

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

SARA Title III Information:UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS  
AN OIL UN  
DER SEC 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT  
CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER,  
800-424-8802. UNDER SAR A TITLE II SEC 313, THIS PRODUCT CONTAINS  
BARIUM COMPOUNDS.

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

Disclaimer (provided with this information by the compiling agencies):  
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of Defens

e. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.