

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 308A -- 9150-00-231-6689

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

Product ID:ROYCO 308A
MSDS Date:07/18/1995
FSC:9150
NIIN:00-231-6689
Status Code:A
MSDS Number: CJTWZ
=== 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
Contract Num:SP0450-99-D-0497
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

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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)
< 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

vapor 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 INVEMNTOY 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.