

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 885A -- 9150-00-257-5449

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

Product ID:ROYCO 885A
MSDS Date:05/01/2001
FSC:9150
NIIN:00-257-5449
Status Code:A
MSDS Number: CLHHL
=== 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:973-887-7411/7410
Emergency Phone Nu
m:201-887-7411
Resp. Party Other MSDS Num.:750,008-4
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-LK27
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

=====

Composition/Information on Ingredients =====

Ingred Name:SYNTHETIC ESTER

CAS:122-62-3

RTECS #:VS1000000

Minumum % Wt:93.

Maxumum % Wt:97.

Ingred Name:BARIUM DINONYLNAPHTHALENESULFONATE

CAS:25619-56-1

Minumum % Wt:2.

Maxumum % Wt:4.

Ingred Name:BUTYLATED HYDROXYTOLUENE

CAS:128-37-0

RTECS #:GO7875000

Minumum % Wt:1.

Maxumum % Wt:1.5

ACGIH TLV:10 MG/M3

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

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

Health Hazar

ds Acute and Chronic:EYE: IRRITATING TO THE EYES. SKIN:

PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS AND OIL ACNE. INHALATION: INHALATION OF VAPORS AT HIGH TEMPERATURES O R OIL MIST MAY BE MILDLY IRRITATING TO THE NOSE, THRAOT AND RESPIRATORY TRACT. INGESTION: MAY RESULT IN VOMITING; ASPIRATION(BREATHING) OR VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITI ES MAY RESULT IN ASPIRATION PNEUMONITIS.

Explanat

ion of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY

CARCINOGEN AS IDENTIFIED BY IARC, NTP, OSHA.

Effects of Overexposure:IRRITATION. ASPIRATION PNEUMONITIS MAY BE

EVIDENCED BY COUGHING, LABORED BREATHING. AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, SKIN, AND

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First

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

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

Flash Point Method:COC

Flash Point:=226.7C, 440.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.

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

Spill Release Procedures:USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE

TO DO SO. DIKE AND CONTAIN. REMOVE

WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP WITH ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH WITH WATER TO REMOVE TRACE RESIDUE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. WASH WITH SOAP AND WATER BEFORE EATING, SMOKING OR

USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:USE A NIOSH APPROVED RESPIRATOR AS REQUIRED 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 GLOVES

Eye Protection:WEAR CHEMICAL GOGGLES IF LIKELIHOOD OF CONTACT

Other Pro

ective Equipment:WEAR OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Supplemental Safety and Health

SYNONYMS: SYNTHETIC LUBRICATING OIL MIL-L-6085.

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

HCC:V6

Spec Gravity:0.92

Appearance and Odor:LIGHT AMBER OIL; SLIGHT 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:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

Toxicological Information:ROYAL RECOMMENDS PEL AND TLV FOR MINERLA OIL MIST: 5 MG/M3 TWA. IDLH= 250

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

Waste Disposal Methods:THIS PRODUCT CONTAINS BARIUM AT > 100 MG/L. THIS MATERIAL MAY BE RECYCLED. C

CURRENTLY, HAZARDOUS USED OIL THAT IS RECYCLED BY BEING BURNED FOR ENERGY RECOVERY IS MINIMALLY REGULATED UNDER RCRA. USED OIL THAT IS RECYCLED IN ANY OTHER WAY IS CURRENTLY EXEMPT FROM SUBTITLE C REGULATIONS. CHECK YOUR LOCAL & STATE AUTHORITIES FOR APPLICABLE REGULATIONS.

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

Transport Information: NOT HAZARDOUS BY DOT REGULATIONS.

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

SARA Title

III Information: THIS PRODUCT CONTAINS BARIUM AT GREATER THAN 100 MG/L. UNDER EPA RCRA 940CFR 261.24) A WASTE MATERIAL CONTAINING BARIUM HAS HAZARDOUS WASTE # D0005.

Federal Regulatory Information: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. 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.