

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 885A -- 9150-01-018-8959

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

Product ID:ROYCO 885A  
MSDS Date:07/18/1995  
FSC:9150  
NIIN:01-018-8959  
Status Code:A  
MSDS Number: CLPQP  
=== 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 Num  
:(201)887-7410  
Resp. Party Other MSDS Num.:750,008-4  
CAGE:07950

=== Contractor Identification ===  
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:SPO450-01-M-LN53  
CAGE:07950

===== Composition/Information on Ingredients =====

Ingred Name:ROYCO 885A: CONSIST OF THE FOLLOWING INGREDIENTS  
= Wt:100.

Ingred Name:SYNTHETIC ESTERS  
CAS:122-62-3  
RTECS #:VS1000000  
Minumum % Wt:9

3.

Maxumum % Wt:97.

Ingred Name:BARIUM DINONYLNAPHTHALENE SULFONATE

CAS:25619-56-1

Minumum % Wt:2.

Maxumum % Wt:4.

Other REC Limits:250 IDLH

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

Ingred Name:BUTYLATED HYDROXY TOLUENE

CAS:128-37-0

RTECS #:GO7875000

Minumum % Wt:1.

Maxumum % Wt:1.5

ACGIH TLV:10 MG/M3

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

Health Hazards Acute and Chronic:EYE CONTACT: BASED ON PRESENCE OF COMPONENT 2 AND 3, PRODUCT IS IRRITATING TO THE EYES. I

NHALATION:

INHALTION OF VAPORS (GENERATED AT HIGH TEMPERTURES ONLY) OR OIL MIST MAY BE MILDLY IRRITATING TO THE NOSE, THROAT AND RESPIRATORY TRACT. INGESTION: INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPI RATION PNEUMONITIS.

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

Effects of Overexposure:IRRITAT

ION 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-IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINS WHILE HOLDING EYELIDS OPEN. GET MEDICL AID. SKIN-REMOVE CONTA

MINATED

CLOTHES/SHOES & WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASH ING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL AID. DO NOT REUSE CLOTHES UNTIL CLEANED. INHALATION-REMOVE VICTIM TO FRESH AIR & PROVIDE BREATHING IF DIFFICULT. GET MEDICAL AID. INGESTION-D O NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY. KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL AID.

===== Fire Fighting Measu  
res =====

Flash Point Method:COC

Flash Point:=226.7C, 440.F

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED ON SURFACE 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 & RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH A PPROVED SE LF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILT IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. \*\*\*SMALL SPILLS\*\*\*TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE WITH ADEQ UATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

Other Precautions:DISPOSAL-ALTERNATIVELY, THE MATERIAL MAY BE RECYCLED. 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 LOCAL & STATE AUTHORITIES FOR OTHER REGULATIONS.

===== 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 VAPOR AND PARTICULATES.

Ventilation:MECH(GEN)OR LOCAL EXHAUST THAT PROVIDES ADEQUATE VENTILATION

Protective Gloves:WEAR GLOVES AS REQUIRED TO MINIMIZE CONTACT.

Eye Protection:WEAR CHEMICAL GOGGLES IF THERE IS LIKELIHOOD OF CONTACT WITH EYES.

Other Protective Equipm

ent:WEAR OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:DO NOT RESUE CLOTHES UNTIL CLEANED. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

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

HCC:N1

Spec Gravity:0.92

Solubility in Water:NEGLIGIBLE

Appearance an

d Odor:LIGHT AMBER OIL; SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAME.

Hazardous Decomposition Products:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

#### ===== Ecological Information =====

Ecological:UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS AN AOI  
L UNDER

SECTION 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 BADRIUM AT GREATER THAN 100 MG/L. UNDER EPA-RCRA (40 CFR 261.24). A WASTE MATERIAL THAT CONTAINING BARIUM IS (HAZARDOUS WASTE NUMBER D0005). IF IT EXHIBITS THE CHARACTERISTIC OF TOXICITY BASED UPON THE EXTRACTED

CONCENTRATION OF BARIUM AS SHOWN BY TCLP. REFER TO LATEST EPA OR STATE REGULATIONS REGARDING DISPOSAL.

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

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS.

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

SARA Title III Information:UNDER SARA TITLE III, SECTION 313, THIS PRODUCT CONTAINS BARIUM COMPOUNDS.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/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.