

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 601A -- 9150-00-559-3071

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

Product ID:ROYCO 601A

MSDS Date:07/15/1998

FSC:9150

NIIN:00-559-3071

MSDS Number: CJMRK

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Box:518

City:E. HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-7410

Emergency Phone Num:973-887-7410

Resp. Party Other MSDS Num.:

730.074-1

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:07950

=== Contractor Identification ===

Company Name:CONVOY OIL CORP

Address:1410 N FRONT STREET

Box:29366

City:PHILADELPHIA

State:PA

ZIP:19125

Country:US

Phone:215-739-5281

Contract Num:SP0450-99-M-NF90

CAGE:6A438

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

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY

AVE SUITE 120
Box:City:GRETNA
State:LA
ZIP:70056
Country:US
Phone:504-366-9105
Contract Num:SP0450-00-M-C959
CAGE:0PGK2

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

Ingred Name:ISODECYL PELARGONATE
CAS:109-32-0
Minumum % Wt:25.
Maxumum % Wt:30.
Other REC Limits:NOT PROVIDED

Ingred Name:SILICONE
CAS:63148-62-9
RTECS #:JT6484500
Minumum % Wt:35.
Maxumum % Wt:40.
Other REC Limits:NOT PROVIDED

Ingred Name:SILICONE
CAS:63148-52-7
Minumum % Wt:10.
Maxumum % Wt:15.
Other REC
Limits:NOT PROVIDED

Ingred Name:SYNTHETIC ESTER
< Wt:1.
Other REC Limits:NOT PROVIDED

Ingred Name:BARIUM DINONYLNAPHTHALENESULFONATE (CAS # 25619-54-1 IS
INVALID)
CAS:25619-56-1
< Wt:4.
Other REC Limits:NOT PROVIDED

Ingred Name:MINOR ADDITIVE
< Wt:10.
Other REC Limits:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT:

DUE TO THE PRESENCE OF

COMPONENT 5 MAY BE IRRITATING TO THE EYES. SKIN CONTACT: BASED ON COMPONENT INFORMATION, THIS PRODUCT MAY BE MILDLY IRRITATING TO THE SKIN. REPEATED AND/OR PROLONGED CONTACT WITH HUMAN SKIN MAY CAUSE SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR OIL ACNE.

INHALATION: INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR MISTS MAY BE MILDLY IRRITATING TO THE NOSE, THROAT AND RESPIRATORY TRACT. INGESTION: BASED ON COMPONENT INFORMATION, THIS

PRODUCT MAY BE GENERALLY CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

Explanation of Carcinogenicity: THIS PRODUCT IS NOT A CARCINOGEN AS IDENTIFIED BY NTP, IARC, OR OSHA.

Effects of Overexposure: IRRITATION AS PREVIOUSLY NOTED.

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

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO COMPONENTS OF THIS PRODUCT.

OF THIS PRODUCT.

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

First Aid: EYE CONTACT:

FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES

WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES. WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE

VOMITING. IN GENERAL, NO TREATMENT IS

NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method: COC

Lower Limits: N/A

Upper Limits: N/A

Extinguishing Media: USE WATER FOG, FOAM, DRY CHEMICAL OR CO2.

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 EXPOSE CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE. 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 TRU

CK OR P UMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE OR SMALL SPILLS WITH INERT MATERIAL SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE.

Neutralizing Agent:NOT RELEVANT

===== 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. LAUNDRER 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.

Ventilation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

Protective Gloves:WEAR CHEMICAL-RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

AVOID CONTACT WITH EYES. AVOID CONTACT WITH SKIN AND CLOTHING.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:M.P/F.

P Text:NOT AVAILABLE
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:NOT AVAILABLE
Vapor Density:N/AV
Spec Gravity:NOT AVAILABLE
Viscosity:NOT PROVIDED
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:WHITE TO "PALE STRAW" LIQUID.
Corrosion Rate:NOT PROVIDED

===== 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, LIQUID PARTICULATES AND GASES EVOLVE WHEN MATERIAL UNDERGOES PYROLYSIS/COMBUSTION. CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

Toxicological Information:NOT PROVIDED

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

Ecological:NOT PROVIDED

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

Waste Disposal Methods:CONTAINS BARIUM AT > 100 MG/L. UNDER EPA-RCRA (40 CFR 261.24), A WASTE CONTAINING BARIUM IS HAZARDOUS (WASTE NUMBER D005), IF IT EXHIBITS THE CHARACTERISTIC OF TOXICITY BASED ON THE EXTRACTED CONCENTRATION OF BARIUM AS SHOWN BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). MATERIAL MAY BE RECYCLED. CHECK LOCAL AND STATE REGULATIONS.

===== 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. UNDER EPA-CWA, THIS PRODUCT IS CONSIDERED AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHE EN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8

802.

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

State Regulatory Information:NOT PROVIDED

===== 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.