

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 885 -- 9150-00-223-4129

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

Product ID:ROYCO 885

MSDS Date:07/03/2000

FSC:9150

NIIN:00-223-4129

MSDS Number: CHVSX

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:MERRY LN

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-7410/201-887-8404

Emergency Phone Num:973-887-741

0/800-424-9300(CHEMTREC)

Resp. Party Other MSDS Num.:750, 072

Chemtrek Ind/Phone:(800)424-9300

CAGE:07950

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

Contract Num:SP0450-01-M-LC74

CAGE:1MDA6

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:0795

0  
Company Name:SDB CONSULTANTS LTD  
Address:401 WHITNEY AVE SUITE 120  
Box:City:GRETNA  
State:LA  
ZIP:70056  
Country:US  
Phone:504-366-9105  
CAGE:0PGK2

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

Ingred Name:SYNTHETIC ESTERS  
CAS:122-62-3  
RTECS #:VS1000000  
Minumum % Wt:92.  
Maxumum % Wt:96.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM DINONYL-NAPHTHALENESULFONATE  
CAS:25619-56-1  
Minumum % Wt:4.  
Maxumum % Wt:6.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENOTHIAZINE  
CAS:92-84-2  
RTECS #:SN5075000  
&lt; Wt:1.  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:S, 5 MG/M3; 9596

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5 MG/M3.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY  
& GI TRACTS. ACUTE- IRRITATING TO EYES AND SKIN. MAY CAUSE MILD  
SKIN SENSITIZATION. INHALAT

ION OF VAPOR (GENERATED AT HIGH TEMPERATURES ONLY) OIL MIST MAY CAUSE MILD IRRITATION OF RESPIRATORY TRACT. LOW ORDER OF ACUTE ORAL TOXICITY. CHRONIC- SKIN SENSITIZATION (RASHES).

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, NAUSEA, SKIN SENSITIZATION

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS OR EYE PROBLEMS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WIPE OFF EXCESS. WASH SKIN WITH SOAP & WATER. ORAL: DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. GET MEDICAL ATTENTION. NOTE TO PHYSICIAN: EMESIS NOT NEEDED IN MOST OILS & GREASES .

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

Flash Point:=226.7C, 440.F

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL/CARBON DIOXIDE. DON'T USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:TOXIC GASES MAY BE FORMED. DOES NOT BURN UNLESS PREHEATED.

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

Spill Release Procedures:PICK UP SPILL WITH INERT MATERIAL SUCH AS SAND, CLAY, EARTH. SHOVEL INTO CONTAINERS FOR DISPOSAL. PREVENT RUN-OFF TO ENTER WATERWAYS, SEWERS. THIS IS AN OIL. SPILLS INTO OR LEADING TO SURFACE WATER TH AT CAUSE A SHEEN MUST BE REPORTED: 800-424-8802.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE

AWAY FROM FLAMES AND STRONG OXIDIZERS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. LAUNDRER CLOTHING BEFORE REUSE. AVOID INHALING MISTS. EMPTY CONTAINERS OF THIS PRODUCT MAY BE HAZARDOUS DUE TO THE RETENTION OF RESIDUE S. DO NOT TAKE INTERNALLY.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF WORKING IN CONFINED AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED ORGANIC VAPO R RESPIRATOR.

Ventilation:GENERAL ROOM VENTILATION SHOULD BE SUFFICIENT.

Protective Gloves:NITRILES IF PROLONGED/REPEATED CONTACT

Eye Protection:SAFETY GOGGLES IF SPLASHING ANTICIPATED

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A, B AND C, SAME NSN.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:0.92

Viscosity:10,600CS @65F

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER LIQUID - MILD ODOR

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

St

ability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:AVOID HEAT, FLAMES

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES & GASES WILL EVOLVE. CARBON MONOXIDE & OTHER COMPD. MAY FORM.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL, STATE

AND FEDERAL REGULATIONS. REUSE IS  
RECOMMENDED. CONTAINS BARIUM. HAZARDOUS WASTE NUMBER: D005

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

Transport Information:NOT HAZARDOUS BY DOT REGULATIONS.

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

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

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.