

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 782 -- 9150-00-149-7431

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

Product ID:ROYCO 782
MSDS Date:11/30/2000
FSC:9150
NIIN:00-149-7431
Status Code:A
MSDS Number: CLSFV
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Address:215 MERRY LN
Box:518
City:EAST HANOVER
State:NJ
ZIP:07936
Country:US
Info Phone Num:973-887-7411/7410
Emergency Phone Num:9
73-887-7411
Resp. Party Other MSDS Num.:720,006-3
Chemtrec Ind/Phone:(800)424-9300
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:SP0450-02-D-4010
CAGE:07950

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

Ingred Name:SYNTHETIC ESTERS
Minimum % Wt:25.
Maximum % Wt:35.

Ingred Name:ADDITIVES
< Wt:2.
= Wt:100.
OSHA PEL:

5 MG/M3

Ingred Name:POLYALPHAOLEFIN

CAS:68037-01-4

Minumum % Wt:60.

Maxumum % Wt:70.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

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

First Aid:EYE: IMMEDIATELY FLUSH EYE WITH PLENTY OF WATER FOR AT LEAST
15 M

INUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH
SKI N WITH WATER FOLLOW BY WASHING WITH SOAP AND WATER. IF MATERIAL
IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO
PREVENT SERIOUS INJURY. IF IRRITATION OCCURS, GET MEDICAL
ATTENTION. DO NO T REUSE CLOTHING UNTIL CLEANED. INHALATION: REMOVE
TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET
MEDICAL ATTENTION. IN
GESTION: DO NOT INDUCE VOMITING. IF OCCURS
SPONTANEOUSLY, KEEP HE AD BELOW HIPS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:=232.2C, 450.F

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE
DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON
SURFACE WATER.

Fire Fighting Procedures:DO NOT USE DIRECT STREAM OF WATER. PRODUCT
WILL FLOAT AND CAN BE REIGNITED ON SUR
FACE WATER.

Unusual Fire/Explosion Hazard:N/P. THIS PRODUCT IS COMBUSTIBLE.

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITIBLE. USE
CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. WEAR RESPIRATOR &
PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE
TO DO SO. DIKE & CON TAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO
STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS

CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA TO REMOVE TRACES.

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

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

Other Precautions:MINIMIZE SKIN CONTACT. STATIC ELECTRICITY MAY ACCUMULATE AND CREATE FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT. PROPERLY DISPOSE OF

CONTAMINATED LEATHER ARTICLES INCLUDING SHOES THAT CANNOT BE DECONTAMINATED. KEEP AWAY FROM FLAMES AND HIGH TEMPERATURES.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. 7) 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:CHEMICAL RESISTANT GLOVES, NITRILE GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:WEAR CHEMICAL RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

Supplemental Safety and Health

SMALL SPILLSTAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY. LARGE SPILL AND LEAK: NOT AVAILABLE.

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

HCC:N1

Spec Gravity:0.85

Solubility in

Water:NEGLIGIBLE

Appearance and Odor:RED LIQUID; 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.

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

Toxicological Information:TLV OIL MISST,

MINERAL PEL/TWA=5MG/M3. BASED

ON DATA AVAILABLE TO ROYAL. THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.1200). FIRE DEGRADATION PRODUCTS: HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES & GASES WILL EVOLVE WHEN THIS MATERIAL UNDER GOES PYROLYSIS OR COMBUSTION.

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

Waste Disposal Methods:PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

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

Transport Information:DOT: NOT A DOT CONTROLLED MATERIAL (USA). N/A. MARITIME TRANSPORTATION: N/A. HCS: NOT AN HCS CONTROLLED MATERIAL IN USA.

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

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.