

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 560 -- 9150-01-439-0756

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

Product ID:ROYCO 560

MSDS Date:11/01/1998

FSC:9150

NIIN:01-439-0756

MSDS Number: CHXDR

=== 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

Emergency Phone Num:973-887-7411

Resp. Party

Other MSDS Num.:740,054-3

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:SP0450-00-M-C737

CAGE:07950

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

Ingred Name:SYNTHETIC ESTER/PENTAERYTHRITOL ESTERS

CAS:68424-31-7

Fraction by Wt: 0 - >90%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SY

NTHETIC ESTER/FATTY ACIDS, C5-9, MIXED ESTERS W/
PENTAERYTHRITOL AND VALERIC ACID

CAS:68424-33-9

Fraction by Wt: 0 - >90%

Other REC Limits:NONE RECOMMENDED

Ingred Name:OCTYLATED N-PHENYL-1-NAPHTHYLAMINE

CAS:68259-36-9

< Wt:2.

Other REC Limits:NONE RECOMMENDED

Ingred Name:P,P'-DIOCTYLDIPHENYLAMINE

CAS:101-67-7

RTECS #:JJ8850000

< Wt:2.

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRICRESYL PHOSPHATE (MIXED ISOMERS)

CAS:1330-78-5

RTECS #:TD0175000

= Wt:1.

Other REC Limits:NONE RECOMM
ENDED

Ingred Name:MINOR ADDITIVES

< Wt:1.

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, NERVE & GI
TRACT. ACUTE- LUBRICATING OILS ARE CONSIDERED NO MORE THAN
MINIMALLY IRRITATING TO EYES & SKIN. INJECTION INTO SKIN
CAUSES

NECROSIS. INHALATION OF VAPOR (HOT OIL)/M IST MAY CAUSE MILD
IRRITATION & DELAYED NEUROTOXICITY. COULD BE TOXIC IF
SWALLOWED/ABSORBED THROUGH SKIN. CHRONIC- UNK.

Explanation of Carcinogenicity:NONE.

Effects of Overexposure:DELAYED NEUROTOXICITY MAY BE EVIDENCED BY
NUMBNESS AND TINGLING OF THE HANDS AND FEET, WEAKNESS AND CRAMPS,
AND UNSTEADY GAIT. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF
PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

Medical Cond A

aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED NERVE OR RESPIRATORY FUNCTION 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. IF INJECTED UNDER SKIN, CONTACT A PHYSICIAN PROMPTLY TO PREVENT SERIOUS INJURY. ORAL: IF CONSCIOUS, DRINK NO MORE THAN 2 GLASSES OF WATER & INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method: COC
Flash Point: =260.C, 500.F
Extinguishing Media: WATER FOG, FOAM, DRY CHEMICAL/CARBON DIOXIDE. DON'T USE 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 ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: NONE IDENTIFIED.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. PROVIDE ADEQUATE VENTILATION. REMOVE SPILL WITH VACUUM TRUCK OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH CLAY/SAND. PREVENT RUN-OFF TO ENTER SEWERS OR WATERWAYS. REPORT SPILLS AS REQUIRED TO AUTHORITIES.
Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: STORE IN COOL, DRY, VENTILATED PLACE, AWAY FROM OXIDIZERS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.
Other Precautions: DO NOT GET IN EYES. MINIMIZE SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY D

ISPOSE OF CONTAMINATED LEATHER ARTICLES INCLUDING
SHOES THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE- PRE SSURE SELF-CONTAINED BREATHING APPARATUS

Ventilation:ADEQUATE

Protective Gloves:WEAR CHEMICALLY RESISTANT GLOVES.

Eye Protection:WEAR GOGGLES/SAFETY GLASSES AS APPROPRIATE.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF VICTIM IS A CHILD, GIVE NO MORE THAN 1 GLASS OF WATER AND 15 ML (1 TABLESPOON) SYRUP OF IPECAC. IF SYMPTOMS SUCH AS

LOSS OF GAG REFLEX, CONVULSION OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE SHOULD BE CONSIDERED FOLLOWING INTUBATION WITH A CUFFED ENDOTRACHEAL TUBE.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:0.99

Viscosity:28 CST @ 100F

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR LIQUID

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZING AGENTS

Stability Condition to Avoid:EXCESSIVE HEAT, FLAME

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

===== M

SDS Transport Information =====

Transport Information:NOT HAZARDOUS BY DOT REGULATIONS.

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

SARA Title III Information:THIS PRODUCT IS CLASSIFIED AS A CHRONIC
(DELAYED) HEALTH HAZARD UNDER SECTION 311/312 OF SARA TITLE III.

Federal Regulatory Information:UNDER EPA-CWA, THIS PRODUCT IS
CONSIDERED AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO
SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO TH
E NATIONAL
RESPONSE CENTER, 800-424-8802.

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