

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 500 -- 9150-01-439-0756

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

Product ID:ROYCO 500
MSDS Date:05/28/1997
FSC:9150
NIIN:01-439-0756
Status Code:A
MSDS Number: CJDFZ
=== 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:201-887-7411
Resp. Party Othe
r MSDS Num.:ROYAL MSDS NUMBER: 740,059-2
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:SP0450-98-M-CG57
CAGE:07950

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

Ingred Name:PENTAERYTHRITOL ESTHERS
CAS:68424-31-7
Code:F
> Wt:95.
Other REC Limits:NONE RECOMMENDED
Code:F
Code:F

Ingred

Name:TRICRESYL PHOSPHATE (MIXED ISOMERS)

CAS:1330-78-5

RTECS #:TD0175000

< Wt:2.

Ingred Name:N-PHENYL-.ALPHA.-NAPHTHYLAMINE

CAS:90-30-2

RTECS #:QM4500000

< Wt:2.

Other REC Limits:NONE RECOMMENDED

Ingred Name:OTHER MINOR ADDITIVES

< Wt:1.

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO 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- BASED ON COMPONENT INFORMATION, PRODUCT IS EXPECTED TO BE NO MORE THAN MILDLY IRRITATION TO THE EYES. BASED ON COMPONENT INFORMATION, PRODUCT IS EXPECTED TO BE MILDLY IRRITATION TO THE SKIN. PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN ABSORPTION OF COMPONENT 2 WHICH COULD LEAD TO DELAYED NEUROTOXICITY. INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY CAUSE MILD NOSE, THROAT, RESP

IRATORY IRRITATION AND DELAYED NEUROTOXICITY. BASED ON PRESENCE OF COMPONENT2, THIS PRODUCT MAY BE TOXIC IF SWALLOWED, CAUSING D ELAYED NEUROTOXICITY. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:MILD IRRITATION, DELAYED NEUROTOXICITY MAY BE EVIDENCED BY NUMBNESS AND TINGLING OF THE HANDS AND FEET, WEAKNESS AND CRAMPS, AND AN UNSTEADY GAIT

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, RESPIRATORY AND NERVE DISFU

NCTION MAY BE MORE

SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:INHALED: MOVE TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. SEEK MEDICAL HELP. EYES: FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED C LOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER FOLLOWED BY WASHING WITH SOAP & WATER. IF IRRITATION OCCURS, GET MED

ICAL ATTENTION. INGESTION: DO NOT GIVE LIQUID IF VICTIM IS UNCONSCIOUS OR VERY DROWSY. OTHERWISE, GIVE NO MORE THAN 2 GLASSES OF WATER AND INDUCE VOMITING BY GIVING 30CC (2 TABLESPOON) SYRUP OF IPECAC OR TOUCH BACK OF VICTIM'S THROAT. SEEK MEDICAL ATTENTION. KEEP VICTIM'S HEAD BELOW HIPS WHILE VOMITING.

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

Flash Point Method:COC

Flash Point:=254.4C, 490.F

Lower Limits:N/AV

Upper Limits:N/AV

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 EXPOSED CONTAINERS WITH WATER

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

Spill Release Procedures:SMALL SPILL: TAKE UP WITH ABSORBENT MATERIAL

AND DISPOSE OF PROPERLY. DO NOT FLUSH TO SEWER OR WATERWAYS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

Other Precautions:DO NOT GET IN EYES OR SKIN. MINIMIZE INHALATION OF VAPORS AND OIL MISTS. WASH THOROUGHLY AFTER HANDLING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES INCLUDING SHOES THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:WEAR NIOSH-APPROVED RESPIRATOR FOR REMOVING PARTICULATES AND ORGANIC VAPORS IF PEL ARE EXCEEDED IN ACCORDANCE WITH 29 CFR 1910.134. USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AIR-PURIFYING RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:EYE BATH, WASHI

NG FACILITY, LAB COAT OR UNIFORM.

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

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 I

NTUBATION

WITH A CUFFED ENDOTRACHEAL TUBE.

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

HCC:V6

Melt/Freeze Pt:=-62.2C, -80.F

M.P/F.P Text:(POUR POINT)

Spec Gravity:1.0 (EST)

Viscosity:28.5 CST @ 100 DEG F

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT TAN SYNTHETIC FLUID

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, FLAME

Hazardous

Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOVLE WHEN PYROLYSIS/COMBUSTION OCCURS. CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

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

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

Transport Infor

mation:NOT HAZARDOUS BY DOT REGULATIONS.

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===== Regulatory Information =====
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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 THE NATIONAL
RESPONSE CENTER, 800-424-8802.

State Regulatory Information:

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