

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 770 TYPE 1 & TYPE 2 -- 9150-01-119-8149

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Product Identification
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Product ID:ROYCO 770 TYPE 1 & TYPE 2

MSDS Date:05/14/1998

FSC:9150

NIIN:01-119-8149

MSDS Number: CDJSJ

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:MERRY LN (FORMALLY 6 CAMPUS DR)

Box:518

City:EAST HANOVER (FORMALLY IN PARSIPPANY)

State:NJ

ZIP:07936

Cou

ntry:US

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

Emergency Phone Num:201-887-7410

Resp. Party Other MSDS Num.:720,005-3

Preparer's Name:NOT PROVIDED

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:SP0450-01-C-0631

CAGE:07950

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Composition/Information on Ingredients
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Ingred Name:SYNTH

ETIC HYDROCARBON

CAS:68649-12-7

Minumum % Wt:60.

Maxumum % Wt:65.

Other REC Limits:5 MG/M3 (OIL MIST)

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SYNTHETIC ESTERS

Minumum % Wt:25.

Maxumum % Wt:30.

Other REC Limits:5 MG/M3 (OIL MIST)

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:BARIUM DINONYLNAPHTHALENE SULFONATE

CAS:25619-56-1

Minumum % Wt:2.

Maxumum % Wt:3.

Other REC Limits:NOT PROVIDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

Ingred Name:BUTYLPHENYL DIPHENYL PHOSPHATE

CAS:56803-37-3

Minumum % Wt:1.

Maxumum % Wt:2.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:MINOR ADDITIVES

< Wt:2.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV: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: BASED ON PRESENCE OF
COMPONENT 3, PRODUCT IS IRRITATING T

O EYES. SKIN CONTACT: PROLONGED

OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS, OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO SKIN CAUSING LOCAL NECROSIS. INHALATION: VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MISTS MAY BE MILDLY IRRITATING TO NOSE, THROAT, AND RESPIRATORY TRACT. INGESTION: THIS MATERIAL MAY BE HARMFUL/FATAL IF SWALLOWED. MAY RESULT IN VOMITING; ASPIRATION OF VOMITUS

INTO

LUNGS, EVEN SMALL QUANTITIES MAY CAUSE PNEUMONITIS.

Explanation of Carcinogenicity:THE PRODUCT DOES NOT CONTAIN ANY CARCINOGEN AS IDENTIFIED BY IARC, NTP OR OSHA.

Effects of Overexposure:IRRITATING TO EYES. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS, OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO SKIN CAUSING LOCAL NECROSIS. INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL

MISTS MAY BE MILDLY IRRITATING TO NOSE, THROAT, AND RESPIRATORY

TRACT. THIS MATERIAL MAY BE HARMFUL OR FATAL IF SWALLOWED. MAY RESULT IN VOMITING.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYE LIDS OPEN. GET MEDICAL

ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER, FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED. 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. GET MEDICAL ADVICE.

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

Flash Point:221.1C, 430.F

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL DO NOT USE A 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 CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE

E SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS) INCLUDING POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:LARGE SPILLS: WEAR RESPIRATORY AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILLS. REMOVE WITH VACUUM TRUCK OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE OR SMALL SPILLS WITH INERT MATERIAL SUCH AS SAND, CLAY, EARTH. SHOVEL INTO CONTAINERS FOR DISPOSAL. PREVENT RUN-OFF FROM ENTERING SEWERS. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A COOL, DRY, ADEQUATELY VENTILATED PLACE. KEEP AWAY FROM OPEN FLAMES, AND HIGH TEMPERATURES.
Other Precautions:
WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29CFR1910.134.USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.
Ventilation:NOT PROVIDED
Protective Gloves:WEAR GLOVES
Eye Protection:CHEMICAL SAFETY GOGGLES IF CONTACT IS POSSIBLE OR IN HIGH PRESSURE APPLICATIONS
Other Protective Equipment:WEAR OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.
Work Hygienic Practices:NOT PROVIDED
Supplemental Safety and Health
ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI = GASTROINTESTINAL. SCBA = SELF CONT

AINED BREATHING APPARATUS.

===== 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:0.86
Viscosity:NOT PROVIDED
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:RED OIL; SLIGHT ODOR
Percent Volatiles by Volume:NOT PROVIDED
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:AVOID HEAT, FLAME
Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID, PARTICULATES AND GASES WILL EVOLVE. CARBON MONOXIDE AND
OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.

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

Toxicological Information:NOT
PROVIDED

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

Ecological:NOT PROVIDED

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

Waste Disposal Methods:DISPOSE OF HAZARDOUS WASTE D005 BASED ON BARIUM
CONTENT, UNLESS EXTRACTION RESULTS ARE LESS THAN EPA LIMITS.

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

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT
HAZARDOUS BY D.O.T. REGULATIONS.

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Regulatory Information
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SARA Title III Information: UNDER SARA TITLE III, SECTION 313, THIS PRODUCT CONTAINS BARIUM COMPOUNDS.

Federal Regulatory Information: THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES. 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: NOT PROVIDED

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Other Information
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