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## ROYAL LUBRICANTS COMPANY INC. -- ROYCO 770 TYPE 1 AND TYPE 2 -- 9150-00-111-6255

Product ID:ROYCO 770 TYPE 1 AND TYPE 2

MSDS Date:05/14/1998

FSC:9150

NIIN:00-111-6255

Status Code:A

MSDS Number: CJMKF === Responsible Party ===

Company Name: ROYAL LUBRICANTS COMPANY INC.

Box:518

City: EAST HANOVER

State:NJ

ZIP:07936-0518

Country:US

Info Phone Num:973-887-7411 / 7410

973-887-8404

Emergency Phone Num:973-887-7410 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:SP0450-99-M-B228

CAGE:07950

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

Ingred Name: SYNTHETIC HYDROCARBON

CAS:68649-12-7 Minumum % Wt:60. Maxumum % Wt:65.

Ingred Name:SYNTHETIC ESTER

Minumu

m % Wt:25.

Maxumum % Wt:30.

Other REC Limits:NONE SPECIFIED

Ingred Name: BARIUM DINONYLNAPHTHALENESULFONATE

CAS:25619-56-1 Minumum % Wt:2. Maxumum % Wt:3.

Other REC Limits: 0.5 MG/M3 SOLUBLE BA

Ingred Name: BUTYLATED TRIPHENYL PHOSPHATE

CAS:56803-37-3 Minumum % Wt:1. Maxumum % Wt:2.

Ingred Name:MINOR ADDITIVES

< Wt:2.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:TARGET ORGANS: N/P.

**ACUTE - EYE** 

CONTACT: BASED ON PRESENCE OF COMPONENT 3, PRODUCT IS IRRITATING TO EYES. SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITI S, 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 QUANTITIE S MAY CAUSE PNEUMONITIS. CHRONIC - N/P.

Explanation of Carcinogenicity:THIS 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 INJ

ECTION OF OIL IN TO 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:

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FRO M 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 PROVI DE 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.

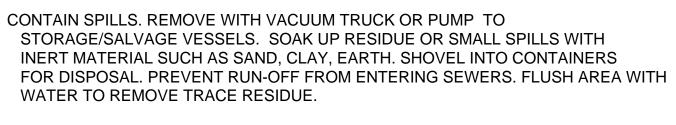
Fire Fighting Procedures: MATERIAL WILL NOT BUR

N UNLESS PREHEATED. DO

NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS) INCLUDING POSITIVE PRESSURE NIOSH APPROV ED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

======== 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



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

Handling and Storage Precautions:STORE IN A COOL, DRY, ADEQUATELY VENTILATED PLACE. KEEP AWAY FROM OPEN FLAMES, AND HIGH TEM

PERATURES.

Other Precautions:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER 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 PART ICULATES.

**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:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V6

Spec Gravity:0.86 Evaporation Rate

& Reference: N/A N-BUTYL ACETATE=1

Solubility in Water: NEGLIGIBLE

Appearance and Odor: AMBER OIL (TYPE 1)/RED OIL (TYPE 2), SLIGHT ODOR

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

Stability Indicator/Materials to Avoid:YES CONTACT WITH 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 ORG

ANIC COMPOUNDS MAY BE FORMED.
======== Disposal Considerations ===========
Waste Disposal Methods:DISPOSE OF HAZARDOUS WASTE D005 BASED ON BARIUM CONTENT, UNLESS EXTRACTION RESULTS ARE LESS THAN EPA LIMITS.
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Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY OF CHEMICAL SUBSTANCES.  State Regulatory Information:
========== Other Information ==============

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