

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 602 -- 9150-01-336-7174

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

Product ID:ROYCO 602

MSDS Date:01/12/1998

FSC:9150

NIIN:01-336-7174

MSDS Number: CJXZY

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-7410

Emergency Phone Num:201-887-7411

Preparer's Name:PRODUCT SAFE

TY

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-C056

CAGE:07950

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:SPO450-01-M-C173

CAGE:07950

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===== Composition/Information on Ingrid

ients =====

Ingred Name:POLYALPHAOLEFIN  
CAS:68649-11-6  
> Wt:98.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:MINOR ADDITIVE  
< 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:EYES: MINIMALLY IRRITATING. SKIN: MILD  
IRR  
ITATION. PROLONGED LIQUID CONTACT CAN RESULT IN DEFATTING AND  
DRYING OF SKIN RESULTING IN IRRITATION AND DERMATITIS. RELEASE  
DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO  
SKIN CAUSING NECROSIS. INHALATION: MODERATELY TOXIC TO INTERNAL  
ORGANS IF INHALED. VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR  
OIL MISTS MAY CAUSE MILD IRRITATION OF MUCOUS MEMBRANES OF UPPER  
RESPIRATORY TRACT. INGESTION: MAY BE HARMFUL OR FATAL. INGESTION  
MAY RESULT IN VOMITIN  
G: ASPIRATION (BREATHING) OF VOMITUS INTO  
LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN  
ASPIRATION PNEUMONITIS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DEFATTING,  
DRYING, DERMATITIS, NECROSIS. INHALATION: IRRITATION OF THE MUCOUS  
MEMBRANES OF UPPER RESPIRATORY TRACT. INGESTION: VOMITING.  
ASPIRATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED  
BREATHING AND CYANOSIS (BLuish SKIN); IN SEVERE CASES  
DEATH MAY  
OCCUR. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND  
TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.  
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: FLUSH WITH WATER. IF IRRITATION OCCURS, 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. IF INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS INJURY. INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method:COG

Flash Point:=-176.7C, 350.F

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE. DO NOT 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 CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES, AND RUBBER BOOTS), INCLUDING A

POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:MAY BURN BUT NOT READILY IGNITABLE. SMALL SPILL:TAKE UP WITH ABSORBENT AND DISPOSE OF PROPERLY. LARGE SPILLS: WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS NEEDED. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO

SALVAGE VESSEL. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL. DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

Neutralizing Agent:NOT RELEVANT

===== 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:AVOID BREATHING VAPORS OR MISTS. MINIMIZE EYE AND SKIN CONTACT

T. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS OR USING TOILET FACILITIES. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. SEE 29CFR1910.134. USE ATMOSPHERE- SUPPLYING RESPIRATOR OR AN AIR- PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:NOT PROVIDED

Protective Gloves:WEAR NITRILE GLOVES AS REQUIRED TO MINIMIZE CONTACT.

Eye Protection:NO SPECIAL EYE PROTECTION IS ROUTINELY NECESSARY.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:AVOID PROLONGED AND REPEATED SKIN CONTACT.

Supplemental Safety and Health

ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:=-73.3C, -100.F

M.P/F.P Text:POUR POINT

Vapor Pres:NOT AVAILABLE

Spec Gravity:0.7990

Viscosity:5.3 (CST 100 DEG F).

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, NO ODOR.

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLA

ME AND CONTACT WITH STRONG  
OXIDIZING AGENTS..

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,  
LIQUID, PARTICULATES AND GASES WILL EVOLVE ON THERMAL  
DECOMPOSITION. CARBON MONOXIDE, CARBON DIOXIDE AND OTHER ORGANIC  
COMPOUNDS MAY BE FORMED UPON COMBUSTION..

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

Toxicological Information:ACUTE LD50 (ORAL, RAT) 5,000 MG/KG (ING #  
1). ACUTE LD50 (DERMAL, RABITT) > 3G/KG (ING # 1). ACUTE LC50

(INHALATION, RAT) 1.17 MG/L, 4 HR (ING # 1). ACUTE LD50 (ORAL,  
RAT) 24,000 MG/KG (ING # 2). A CUTE LD50 (DERMAL, RABITT) 15,000  
MG/KG (ING # 2).

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

Ecological: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 REORTED TO THE NATIONAL RESPONSE CENTER,  
800-424-8802.

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

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Waste Disposal Methods:PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN  
COMPLIANCE WITH LOCAL REGULATIONS. THIS PRODUCT IS CONSIDERED AN  
OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS  
THAT CAUSES A SHEEN MUST B E REPORTED TO THE NATIONAL RESPONSE  
CENTER. 800-424-8802..

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

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

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

SARA Title III Information:NOT PROVIDED

Federal Regulatory Information:THIS PRODUCT IS LISTED ON THE EPA/TSCA  
INVENTORY OF CHEMICAL SUBSTANCES.

State Regulatory Information:NOT PROVIDED

===== Other Information =====

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