

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 602 -- 9150-01-386-6687

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

Product ID:ROYCO 602  
MSDS Date:01/12/1998  
FSC:9150  
NIIN:01-386-6687  
Status Code:A  
MSDS Number: CJKJL  
=== 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 Other  
MSDS Num.:740,078-4  
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-B150  
CAGE:07950

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

Ingred Name:1-DECENE, DIMER, HYDROGENATED (POLYALPHAOLEFIN, MFR'S NAME  
OF INGREDIENT)  
CAS:68649-11-6  
> Wt:98.  
OSHA PEL:5 MG/M3  
ACGIH TLV:5

MG/M3  
ACGIH STEL:10 MG/M3

Ingred Name:MINOR ADDITIVE  
&lt; Wt:2.

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

LD50 LC50 Mixture:ORAL RAT LD50=5ML/KG  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Health Hazards Acute and Chronic:EYES: MINIMALLY IRRITATING. SKIN:  
MILDLY IRRITATING. PROLONGED OR REPEATED CONTACT CAN RESULT IN  
DEFATTING AND DRYING OF SKIN WHICH MAY RESULT IN SKIN IRRITATION  
AND DERMATITIS. HIGH PRESSURES RESULTI NG IN INJECTION OF OIL IN  
TO  
THE SKIN CAUSES LOCAL NECROSIS. INHALATION: MODERATELY TOXIC TO  
INTERNAL ORGANS IF INHALED. INHALATION OF VAPORS (GENERATED AT HIGH  
TEMPERATURES ONLY) OR OIL MIST MAY CAUSE MILD IRRITATION OF MUCOUS  
MEMBRANE OF THE UPPER RESPIRATORY TRACT. INGESTION: MAY BE HARMFUL  
OR FATAL IF SWALLOWED. INGESTION MAY RESULT IN VOMITING;ASPIRATION  
(BREATHING) OF VOMITUS INTO LUNGS MAY RESULT ASPIRATION  
PNEUMONITIS.  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DEFA  
TTING,  
DRYING, DERMATITIS, LOCAL NECROSIS EVIDENCED BY DELAYED ONSET OF  
PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. INHALATION:  
IRRITATION OF UPPER RESPIRATORY TRACT MUCOUS MEMBRANES. INGESTION:  
ASPERATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED  
BREATHING AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY  
OCCUR.  
Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, AND  
RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS  
PRODU  
CT.

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

First Aid:EYES: FLUSH WITH WATER. IF IRRITATION OCCURS, GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES. WIPE EXCESSSS  
FROM SKIN. FLUSH SKIN WITH WATER. THEN WASH WITH SOAP AND WATER. IF  
IRRITAT ION OCCURS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED  
UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS  
INJURY. INHALATION: MOVE VICTIM TO FRESH AIR AND PROVIDE OX;YGEN IF

BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:=176.7C, 350.F

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:DO NOT USE DIRECT STREAM OF WATER. PRODUCT

WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

Unusual Fire/Explosion Hazard:MATERIAL WILL NOT BURN UNLESS PREHEATED.

DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACESHIELD, BUNKER COAT, 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:MAY BURN BUT NOT READILY IGNITABLE. FOR LARGE

ADILY IGNITABLE. FOR LARGE

SPIILLS, WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH ABSORBENT SUCH AS CLAY, SAND. DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. SMALL SPILLS, TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

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

Handling and Storage Precautions:

ns:AVOID BREATHING VAPORS OR MISTS.

MINIMIZE SKIN AND EYE CONTACT. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATOR TO PREVENT OVER EXPOSURE. IN ACCORD WITH 29CFR1910.134, USE EITHER AND ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Protective Gloves:WEAR NITRI

LE GLOVES TO MINIMIZE SKIN CONTACT.

Eye Protection:NO SPECIAL EYE PROTECTION ROUTINELY NECESSARY.

Other Protective Equipment:GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT. BEST PROTECTION PROVIDED BY NITRILE GLOVES.

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

Boiling Pt:B.P. Text:N/AV

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

M.P/F.P Text:POUR POINT

Vapor Pres:N/AV

Vapor Density:N/AV

Spec Gravity:0.7990

Viscosity:5.3 CST@100F

Evaporation Rate & Reference:N/AV (NBUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAMES.

Hazardous

Decomposition Products:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

NTER, 800-424-8802.

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

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

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