

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 27 -- 9150-00-985-7245  
===== Product Identification =====

Product ID:ROYCO 27  
MSDS Date:05/01/1998  
FSC:9150  
NIIN:00-985-7245  
MSDS Number: BQMHR  
=== 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  
Resp. Party Other MSDS Num.:MSDS NBR 710,009-2  
Preparer's Name:PRODUCT SAFETY RLC INC  
Chemtrec  
Ind/Phone:(800)424-9300  
CAGE:07950  
=== Contractor Identification ===  
Company Name:CONVOY OIL CORP  
Address:1410 N FRONT STREET  
Box:29366  
City:PHILADELPHIA  
State:PA  
ZIP:19125  
Country:US  
Phone:215-739-5281  
CAGE:6A438  
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-D-4004  
CAGE:07950

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

Ingred Name:ADIPIC ACID; DIISO

OCTYL ESTER OR SYNTHETIC ESTER  
CAS:1330-86-5  
Minumum % Wt:75.  
Maxumum % Wt:85.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM 12 HYDROXYSTEARATE OR LITHIUM HYDROXYSTEARATE  
CAS:7620-77-1  
Minumum % Wt:10.  
Maxumum % Wt:15.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ANTIMONY DIALKYLDITHIOCARBAMATE  
CAS:15991-76-1  
Minumum % Wt:1.  
Maxumum % Wt:2.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:P,P'-DIOCTYL DIPHENYLAMINE  
CAS:68411-46-1  
Minumum % Wt:1.  
Maxumum % Wt:2.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINOR ADDITIVES  
&lt; Wt:4.  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPCIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:ACUTE-EYES:IRRITATION. SKIN: MILD  
IRRITATION. RELEASE UNDER HIGH PRESSURE USAGE MAY RESULT IN  
INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS. INHALATION:  
VAPORS GENERATED AT HIGH TEMPERATURES  
WILL BE IRRITATING TO NOSE,  
THOAT AND RESPIRATORY TRACT. INGESTION: NOT EXPECTED TO CAUSE HARM.  
CHRONIC: DERMATITIS.  
Explanation of Carcinogenicity:NONE SPCIFIED BY MANUFACTURER.  
Effects of Overexposure:IRRITATION, DERMATITIS, LOCAL NECROSIS IF  
INJECTED INTO SKIN. INHALATION OF FUMES AND WILL CAUSE COUGH AND  
ASPHYXIATION. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN  
AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.  
Medical Cond Aggravated by Exposure:PREEXISTING E

## YE AND SKIN DISORDERS

MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF NEEDED. INGESTION: DO NOT INDUCE VOMITING. NO TREATMENT IS NECESSARY UNLESS LARGE AMOUNT OF PRODUCT IS INGESTED. EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SKIN: WIPE EXCESS OFF. WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING.

IF MATERIAL INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE: DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

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

Flash Point:NOT AVAILABLE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.DO NOT USE A DIRECT STREAM OF WATER.PRODUCT WILL FLOAT AND CAN REIGNITE ON SURFACE OF WATER.

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. I

NCLUDING A NIOSH APPROVED

SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER.

Neutralizing Agent:CLAY AND SAND MAY BE USED AS ABSORBENTS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.

Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES (SHOES) THAT CAN NOT BE DECONTAMINATED.

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

Respirator

y Protection:NOT ORDINARILY REQUIRED.

Ventilation:WORK IN A WELL VENTILATED AREA.

Protective Gloves:NITRILES/OIL RESISTANT GLOVES.

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED. EYE PROTECTION SHOULD BE WORN IF USED IN HIGH PRESSURE APPLICATIONS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

TO MINIMIZE SKIN CONTACT: LAUNDER ALL CONTAMINATED CLOTHING BEFORE REUSE. DISPOSE OF LEATHER ITEMS, SHOES THAT CANNOT BE DECONTAMINATED.

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

HCC:V6

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE

Vapor Pres:NOT AVAILABLE

Spec Gravity:NOT AVAILABLE

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance and Odor:TAN, SMOOTH, SLIGH

T ODOR

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT & OPEN FLAMES.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLIDS AND GASES, OXIDES OF CARBON, SULFUR & UNIDENTIFIED ORGANIC COMPOUNDS. CARBON MONOXIDE & UNIDENTIFIED ORGANIC COMPOUNDS MAY FORM UPON PYROLYSIS OR COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

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

Ecological:EPA-CLEAN WATER ACT (CWA): THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING SURFACE WATERS OR ANY WATERCOURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER

. 800-424-8802.

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

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

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

Transport Information:NOT HAZARDOUS BY DOT REGULATIONS.

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

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

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

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

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

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