

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.:MS

DS 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/Informat

ion on Ingredients =====

Ingred Name:ADIPIIC ACID; DIISOCTYL 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:684

11-46-1

Minumum % Wt:1.

Maxumum % Wt:2.

Other REC Limits:NONE RECOMMENDED

Ingred Name:MINOR ADDITIVES

< 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 LOCA

L NECROSIS. INHALATION:

VAPORS GENERATED AT HIGH TEMPERATURES W ILL 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 HO URS FOLLO

WING INJECTION.

Medical Cond Aggravated by Exposure:PREEXISTING EYE 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. INCLUDING 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.

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===== 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.

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Exposure Controls/Personal Protection =====

Respiratory 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, SLIGHT 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 C

AUSE 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 T
ITLE 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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