

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.:MSD
S 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/Informati

on on Ingredients =====

Ingred Name:ADIPIC ACID; DIISOOCTYL 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:6841
1-46-1
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 LOCAL
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 FOLLOW

ING 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
EXCES
S OFF. WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING.
IF MATERIAL INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY
TO PRE VENT 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 ENTE
R CONFINED FIRE SPACE WITHOUT
PROPER PROTECTIVE EQUIPMENT. INCLUDING A NIOSH APPROVED
SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS
SURROUNDING EQUIPMENT AND STRUCTURES W ITH 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. LAUNDER
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 RECOMMENDE

D 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

Solu

bility 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 PYROLYSI

S OR COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:NONE SPCIFIED 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 CA

USE 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 TI
TLE 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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