

ROYAL LUBRICANTS COMPANY INC. -- ROYCO (R) 27 -- 9150-00-985-7246

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

Product ID:ROYCO (R) 27

MSDS Date:05/01/1998

FSC:9150

NIIN:00-985-7246

Status Code:A

MSDS Number: CJTMC

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:72 EAGLE ROCK AVE

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.:ROYAL MSDS #710,009-2

Preparer's Name:PRODUCT SAFETY RLC INC.

Chemtec 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-D-4004

CAGE:07950

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

Ingred Name:SYNTHETIC ESTER, (ADIPIIC ACID; DIISOCTYL ESTE

R)
CAS:1330-86-5
Minumum % Wt:75.
Maxumum % Wt:85.
Other REC Limits:NONE SPECIFIED

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

Ingred Name:ANTIMONY DIALKYLDITHIOCARBAMATE
Minumum % Wt:1.
Maxumum % Wt:2.
Other REC Limits:NONE SPECIFIED

Ingred Name:MINOR ADDITIVES
< Wt:4.
Other REC Limits:NONE SPECIFIED

Ingred Name:P,P'-DIOCTYLDIPHENYLAMINE
CAS:68411-46-1
Code:F
Minumum % Wt:1.
Maxumum % Wt:2.

=====
zards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Health Hazards Acute and Chronic:EYES: MAY BE SLIGHTLY IRRITATING.
SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS,
FOLLICULITIS, OR OIL ACNE. HIGH PRESSURE INJECTION INTO SKIN MAY
CAUSE LOCAL NECROSIS. INHALATION: NOT A LIKELY SOURCE OF EXPOSURE.
AT HIGH TEMPERATURE VAPORS MAY IRRITATE THE NOSE, THROAT, AND UPPER
RESPIR
ATORY TRACT. INGESTION: NO SPECIFIC INFORMATION IDENTIFIED.
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.
Effects of Overexposure:EYES: IRRITATION. SKIN: DERMATITIS,
FOLLICULITIS, OIL ACNE, LOCAL NECROSIS. INHALATION: NOSE, THROAT
AND UPPER RESPIRATORY TRACT IRRITATION. INGESTION: NOT A LIKELY
SOURCE OF EXPLOSURE.
Medical Cond Aggravated by Exposure:PRE-EXISTING EYE AND SKIN DISORDERS
MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

=====
First

Aid Measures =====

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP & WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF INJECTED UNDER SKIN, GET MEDICAL ATTENTION, DO NOT WAIT FOR SYMPTOMS. INHALATION: MOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Lower Limits:N/AV

Upper Limits:N/AV

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

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING 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. SPILLS ENTERING SURFACE WATERS OR WATERCOURSES OR SEWERS THAT CAUSE A SHEEN MUST BE REPORTED TO NATIONAL RESPONSE CENTER. UNDER SECTION 311 OF THE CLEAN WATER ACT THIS PRODUCT IS CLASSIFIED AS AN OIL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:MINIMIZE SKIN CONTACT. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES (SHOES) THAT CAN NOT BE DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventila

tion:NORMAL WORKPLACE VENTILATION IS ADEQUATE.
Protective Gloves:USE OIL RESISTANT (NITRILES) GLOVES.
Eye Protection:SAFETY GLASSES RECOMMENDED.
Other Protective Equipment:OTHER CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT. EYE PROTECTION SHOULD BE WORN IS USED IN HIGH PRESSURE APPLICATIONS.
Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

===

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

HCC:V6
Boiling Pt:B.P. Text:NOT AVAILABLE
Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:INSOLUBLE
Appearance and Odor:SMOOTH, TAN COLOR GREASE. SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:AVOID HEAT AND OPEN FLAMES

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS HIGHLY DEPENDENT ON COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID. LIQUID PARTICULATES & GASES EVOLVE WHEN MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

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

Ecologica

I:NONE SPECIFIED BY MANUFACTURER.

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

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

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

Transport Information:US DOT: NOT REGULATED.

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

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

Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.