

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 463 -- 9150-01-102-1473

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

Product ID:ROYCO 463
MSDS Date:01/12/1994
FSC:9150
NIIN:01-102-1473
MSDS Number: BGLWM
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Address:6 CAMPUS DR
Box:518
City:PARSIPPANY
State:NJ
ZIP:07054
Country:US
Info Phone Num:201-887-7410
Emergency Phone Num:201-887-7411
CAGE:07950

=== Contractor Identification ===

Company Name:INLAND PACKAGING INC
Address:209 PETERSON DR
Box:644
City:ELIZABETHTOWN
State:KY
ZIP:42701-9804
Country:US
Phone:502-737-6757
CAGE:66172
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
CAGE:07950

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

Ingrid Name:PETROLEUM BASE OIL
Fraction by Wt: 30-35%
Other REC Limits:NONE RECOMMENDED

Ingred Name:1-DECENE DIMER, HYDROGENATED

CAS:68649-11-6

Fraction by Wt: 15-20%

Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM COMPOUNDS (INSOLUBLE)

Fraction by Wt: 20-25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 5-15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:350 PPM

ACGIH TLV:350 PPM/450STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:1,1,2-

TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 5-15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000PPM

ACGIH TLV:1000PPM/1250STEL9394

Ozone Depleting Chemical:1

Ingred Name:DIMETHYLFORMAMIDE

CAS:68-12-2

RTECS #:LQ2100000

Fraction by Wt: 1-2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 10 PPM

ACGIH TLV:S, 10 PPM; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:OTHER ADDITIVES

Fraction by Wt: 4-5%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT AVAILABLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES:IRRITATION.SKIN:MODERATELY IRRITATING.PROLONGED/REPEATED CONTACT MAY CAUSE DERMATITIS.IF ABSORBED MAY CAUSE LIVER DAMAGE.INHALATION:VAPORS/MISTS WILL BE IRRITATING.HIGH CONCENTRATION MAY CAUSE CNS DEPRESSION & CARDIAC

EFFECTS.INGESTION:VOMITING.CHRONIC:NONE GIVEN.

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:IRRITATION AS NOTED ABOVE.EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS,HEADACHE,DIZZINESS & NAUSEA;IN EXTREME CASES,UNCONSCIOUSNESS,RESPIRATORY DEPRESSION & DEATH MAY OCCUR.ASPIRATIO N PNEUMONITIS MAY BE EVIDENCED BY COUGHING,LABORED BREATHING & CYANOSIS;IN SEVERE CASES DEATH MAY OCCUR.JAUNDICE.

Medical Cond Aggravated by Exposure:PRE

EXISTING EYE, SKIN AND

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION.INHALATION:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED.INGESTION:DON'T INDUCE VOMITING.IF VOMITING OCCURS,KEEP HEAD BELOW HIPS.EYE:FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.SKIN:WIPE EXCESS.FLUSH WITH WATER.WASH WITH SOAP & WATER.

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

Flash Point Method:COC

Flash Point:250F,121C

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

Fire Fighting Procedures:WATER SPRAY MAY BE USEFUL IN CONTAINERS EXPOSED TO FLAMES.DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING NIOSH APPROVED SCBA.

Unusual Fire/Explosion Hazard:HYDROGEN CHLORIDE, A CORROSIVE AND TOXIC

GAS, MAY BE RELEASED UPON COMBUSTION

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

Spill Release Procedures:WEAR RESPIRATOR & PROTECTIVE CLOTHING.DIKE & CONTAIN.REMOVE WITH VACUUM TRUCKS/PUMP TO STORAGE/SALVAGE VESSELS.SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY,SAND/OTHER SUITABLE MATERIAL.FLUSH AREA WITH WATER.TAKE UP SMALL SPILLS WITH ABSORBENTS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

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

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

Respiratory Protection:

IF EXPOSURE EXCEEDS OCCUPATIONAL LIMITS,USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.IN ACCORD WITH 29 CFR 1910.134 USE EITHER A FULL-FACE,ATMOSPHERE-SUPPLYING RESPIRATOR OR AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS/PARTICULATE

Ventilation:WORK IN A WELL VENTILATED AREA.

Protective Gloves:NITRILES

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.USE VENTILATION

TO CONTROL VAPOR

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

Supplemental Safety and Health

NOTE TO PHYSICIAN:IF MORE THAN 2.0 ML/KG HAS BEEN INGESTED & VOMITING HAS NOT OCCURRED,EMESIS SHOULD BE INDUCED WITH SUPERVISION.KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION.IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX,CONVULSION/UNCONSCIOUSNESS OCCUR BEFORE EMESIS,USE GASTRIC LAVA

GE WITH A CUFFED ENDOTRACHEAL TUBE.

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

HCC:V6

Spec Gravity:0.95

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLOUDY BROWN FLUID WITH STRONG ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:AVOID HEAT AND OPEN FLAMES.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE
SOLID,LIQUID,PARTICU

LATE & GASES, CARBON MONOXIDE, & OTHER
UNIDENTIFIED ORGANIC COMPOUNDS

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

Waste Disposal Methods:DISPOSE OF AS HAZARDOUS WASTE D005 BASED ON
BARIUM CONTENT UNLESS EXTRACTION RESULTS ARE LESS THAN EPA
LIMIT.THIS IS AN OIL CONTAINING HAZARDOUS MATERIAL.SPILLS
INTO/LEADING TO WATERS THAT CAUSE A SHE EN MUST BE REPORTED
(800-424-8802).

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