

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 581 -- 6850-00-281-2031

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

Product ID:ROYCO 581

MSDS Date:05/01/1999

FSC:6850

NIIN:00-281-2031

MSDS Number: BNBRJ

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:EAGLE ROCK AVE

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-7410

Emergency Phone Num:201-887-7411/800-4

24-9300(CHEMTREC)

Resp. Party Other MSDS Num.:ROYAL MSDS # 700,003-1

Chemtrec Ind/Phone:(800)424-9300

CAGE:07950

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

CAGE:1MDA6

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-00-M-D4

78  
CAGE:4N760  
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

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Composition/Information on Ingredients  
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Ingred Name:RESIDUAL OILS, HYDROTREATED  
CAS:64742-57-0  
Minumum % Wt:75.  
Maxumum % Wt:80.  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD)  
HEAVY PAR  
AFFINIC  
CAS:64742-54-7  
RTECS #:PY8035500  
Minumum % Wt:5.  
Maxumum % Wt:10.  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM

Ingred Name:ADDITIVES  
&lt; Wt:1.  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYOL ESTER  
CAS:68309-32-0  
Minumum % Wt:10.  
Maxumum % Wt:15.

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:

NOT EXPECTED TO BE MORE THAN  
MINIMALLY IRRITATING TO THE EYES. SKIN: PROLONGED OR REPEATED  
CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS,  
FOLLICULITIS OR OIL ACNE. INHALATION: IN HALATION OF VAPORS  
(GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY BE MILDLY  
IRRITATING TO THE NOSE, THROAT AND RESPIRATORY TRACT. INGESTION:  
NOT EXPECTED TO BE MORE THAN SLIGHTLY TOXIC IF INGESTED.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY  
CARG

INOGEN AS IDENTIFIED BY IARC, NTP OR OSHA

Effects of Overexposure:IRRITATION AND NOTED IN THE HEALTH HAZARDS  
SECTION.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRACATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET  
MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES & WIPE  
EXCESS FROM SKIN. FLUSH SKIN WITH WAT  
ER. FOLLOW BY WASHING WITH  
SOAP & WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT  
REUSE CLOTHING UNTIL CLEANED. INHALATION: REMOVE VICTIM TO FRESH  
AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL  
ATTENTION. INGESTION: D O NOT INDUCE VOMITING. IN GENERAL, NO  
TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE  
INGESTED, HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method:COC

Flash Point:=257.2C, 495.F

Lower Limits:NOT AVAILABL

Upper Limits:NOT AVAILABL

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

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT  
PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CONTAINERS, SURROUNDING  
EQUIPMENT AND STRUCTURES WITH WA

TER.

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

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

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

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

Other Precautions:NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:OIL RESISTANT GLOVES

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:OIL RESISTANT CLOTHING.

Work Hygienic Practices:WASH HANDS AFTER HANDLING THIS PRODUCT.

Supplemental Safety and Health

N/PHAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY

DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MISTURE OF AIRBORNE SOLID, LIQUID PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION.

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

HCC:V5

Boiling Pt:B.P. Text:NOT AVAILABLE

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

Vapor Pres:NOT AVAILABLE

Vapor Density:NOT AVAILA

Spec Gravity:0.89 (H2O=1)

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance

and Odor:DARK BROWN LIQUID WITH A SLIGHT 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:CARBON DIOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Inform

ation:OIL MIST: PEL/TWA=5 MG/M3. TLV/TWA=5 MG/M3.

TLV/STEL=10 MG/M3.

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

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

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

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT REGULATED BY D.O.T. REGULATIONS.

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

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Federal Regulatory Information:EPA-CLEAM WATER ACT (CWA). THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SUFACE OR (B) ANY WATERCOURSE OR SEWERS ENTERING/LEAVING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802. THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUFACES.

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

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