

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 315 -- 9150-00-231-2356

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

Product ID:ROYCO 315

MSDS Date:09/20/1989

FSC:9150

NIIN:00-231-2356

MSDS Number: BLXFZ

=== 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:201-887-7411/800-42

4-9300(CHEMTREC)

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

CAGE:07950

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

Ingred Name:HYDROTREATED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM

CAS:64742-52-5

RTECS #:PY8035000

Fraction by Wt: < 80%

Other REC Limits:NONE SPECIFIED

Ingred Name:DISTILLATES, SOLVENT-REFINED LIGHT NAPHTHENIC

CA

S:64741-97-5  
RTECS #:PY8041000  
Fraction by Wt: 10 - 20%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM

Ingred Name:SODIUM PETROLEUM SULFONATE (TOTAL PERCENTAGE OF INGREDIENTS 3,4 & 5 IS 5 - 15).  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:ORGANIC ACID (TOTAL PERCENTAGE OF INGREDIENTS 3, 4 & 5 IS 5 - 15).  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:BARIUM SOAP (TOTAL PERCENTAGE OF INGREDIENTS 3, 4 & 5 IS 5 - 15).  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:SODIUM DINONYLNAPHTHALENE SULFONATE  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

===== 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-EYE:MAY CAUSE SEVERE IRRITATION.SKIN: PROLONGED/REPEATED CONTACT MAY CAUSE MODERATE IRRITATION,DERMATITIS, FOLLICULITIS/OIL ACNE.INHALATION:VAPORS/OIL MISTS MAY BE MILDLY IRRITATING TO THE NOSE, THROAT & RESPIRATORY TRACT.INGESTION:EXPECTED TO HAVE A LOW ORDER OF TOXICITY.CHRONIC- DERMATITIS.  
Effects of Overexposure:MAY CAUSE SEVERE EYE IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE MODERATE IRRITATION

TATION, DERMATITIS,  
FOLLICULITIS OR OIL ACNE. INHALATION OF VAPORS OR OIL MISTS MAY BE  
MILDLY IRRITATING TO THE NOSE, THROAT AND RESPIRATORY TRACT.  
INGESTION EXPECTED TO HAVE A LOW ORDER OF TOXICITY.  
Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN  
DISORDERS OR EYE PROBLEMS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF  
THE SUBSTANCE.

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

First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION  
: REMOVE TO  
FRESH AIR. PROVIDE CPR IF NEEDED. EYES: FLUSH WITH WATER FOR 15  
MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INGESTION:  
DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS  
LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, SEEK MEDICAL  
ADVICE.

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

Flash Point Method: COC  
Flash Point: 360F, 182C  
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT &  
REIGNITE  
Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS IN + PRESSURE MODE.  
COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard: SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH  
OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA.  
STOP LEAK. CONTAIN LARGE SPILL. PUMP IT TO TRUCK. SOAK UP  
RESIDUE/SMALL SPILLS WITH CLAY/SAND. FLUSH AREA WITH WATER. DISPOSE  
OF PROPERLY. REPORT SPILLS AS REQUIRED.

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

Handling and Storage Precautions: STORAGE-STORE IN COOL PLACE. KEEP AWAY  
FROM HEAT, FLAME & STRONG OXIDANTS.  
Other Precautions: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE WHICH  
COULD INCLUDE FLAMMABLE OR EXPLOSIVE VAPORS. C

CONSULT APPROPRIATE  
FEDERAL, STATE & LOCAL AUTHORITIES BEFORE  
REUSING, RECONDITIONING, RECLAIMING, RECYCLING/DISPOSING OF EMPTY  
CONTAINERS.

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

Respiratory Protection: NONE REQUIRED UNDER NORMAL CONDITIONS. IF HIGH  
VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED  
RESPIRATOR FOR ORGANIC VAPORS AND MISTS.  
Ventilation: MECHANICAL VENTILATION. (EXPLOSION-PROOF)  
Protective Gloves: IMPERVIOUS  
Eye Protection: CHEMICAL SPLASH GOGGLES/SAFETY GOGGLES  
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.  
Supplemental Safety and Health  
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A OR B UNDER THE  
SAME NSN.

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

HCC: V6  
Spec Gravity: 0.9 APPROX.  
Viscosity: 108 @ 100F  
Evaporation Rate & Reference: 2.06 (N-BUTYL ACETATE=1)  
Solubility in Water: NEGLIGIBLE  
Appearance and Odor: CLEAR TAN LIQUID - SLIGHT ODOR

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

Stability Indicator/Materials to Avoid: YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid: EXTREME HEAT, OPEN FLAMES  
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
OXIDES OF SULFUR, PHOSPHATES

===== Disposal =====

Considerations =====

Waste Disposal Methods:DISPOSE OF AS HAZARDOUS WASTE D005 IF EXTRACTED BARIUM EXCEEDS THE CURRENT EPA LIMIT. BE SURE YOU ARE IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. NATIONAL RESPONSE CENTER 800-424-8802.

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.