

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 315 -- 6850-00-224-6658

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

Product ID:ROYCO 315
MSDS Date:07/18/1995
FSC:6850
NIIN:00-224-6658
Status Code:A
MSDS Number: CJFHS
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Box:518
City:E. HANOVER
State:NJ
ZIP:07936
Country:US
Info Phone Num:201-887-7410
Emergency Phone Num:201-887-7410/
Chemtrec Ind/Ph
one:(800)424-9300
CAGE:07950

=== Contractor Identification ===

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:SP0450-99M-C904
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

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

Ingred Name:SEVERELY H

YDROTREATED HEAVY NAPHTHENIC DISTILLATE

CAS:64742-52-5

Code:F

RTECS #:PY8035000

Minumum % Wt:60.

Maxumum % Wt:80.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM)

CAS:64742-53-6

RTECS #:PY8036000

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ORGANIC ACIDS, BARIUM SALT, AND SODIUM PETROLEUM SULFONATE

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM DINONYLNAPHALENE SULFONATE

CAS:26834-28-6

< Wt:5.

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5 MG/M3.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY AND GI TRACTS. ACUTE -

EYE CONTACT: BASED ON THE PRESENCE OF

COMPONENT 4, THIS PRODUCT IS EXPECTED TO BE SEVERELY IRRITATING TO THE EYES. SKIN CONTACT: BASED ON COMPONENT INFORMATION, PRODUCT IS EXPECTED TO BE MODERATELY IRRITATING TO SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR OIL ACNE. INHALATION: VAP ORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MISTS MAY BE MILDLY IRRITATING TO THE NOSE, THROAT AND RESPIRATORY TRACT. INGESTION

: BASED ON COMPONENT
INFORMATION PRODUCT MAY HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.
CHRONIC - DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, DERMATITIS,
DEFATTING, RASHES, HIVES

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measures =====
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH
AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL
ATTENTION. EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15
MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING AND SHOES. WIPE OFF EXCESS FROM SKIN.
FLUSH SKIN WITH WATER. FOLLOW BY WASH WITH SOAP AND WATER.
INGESTION: DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS
NECESSARY UNLESS
LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER,
GET MEDICAL ADVICE. NOTE TO PHYSICIAN: EMESIS IS UNNECESSARY IN
MOST OILS AND GREASES.

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===== Fire Fighting Measures =====
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Flash Point Method:COC

Flash Point:=-182.2C, 360.F

Extinguishing Media:USE WATER FOG FOAM, DRY CHEMICAL OR CO2. DO NOT USE
A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED
ON SURFACE OF WATER.

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED.
DO

NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKERS (HELMET WITH
FACE SHIELD.BUNKERS COATS, GLOVES AND RUBBER BOOTS). INCLUDING A
POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING
APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH
OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION.

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===== Accidental Release Measures =====
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Spill Release Procedures:WEAR PROTECTIVE EQ

UIPMENT. SHUT OFF SOURCE OF
LEAK IF SAFE TO DO SO. PICK UP SPILL WITH INERT MATERIAL SUCH AS
SAND, CLAY, EARTH. SHOVEL INTO CONTAINERS FOR DISPOSAL. PREVENT
RUN-OFF TO ENTER WATERWAY S, SEWERS. THIS IS AN OIL. SPILLS INTO OR
LEADING TO SURFACE WATER THAT CAUSE A SHEEN MUST BE REPORTED TO THE
NATIONAL RESPONSE CENTER, 800-424-8802.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL,
DRY, VENTILATED PLACE
AWAY FROM OPEN FLAMES AND STRONG OXIDIZERS. KEEP OUT OF REACH OF
CHILDREN.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY
AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING, APPLYING
COSMETICS, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED
CLOTHING BEFORE REUSE. AVOID INHALING MISTS. DO NOT TAKE
INTERNALLY.

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

Respiratory Protection:NONE NORMALLY REQUIRED.
IF WORKING IN CONFINED
AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES
EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR
NIOSH-APPROVED ORGANIC VAPO R RESPIRATOR.

Ventilation:GENERAL ROOM VENTILATION SHOULD BE SUFFICIENT.

Protective Gloves:NITRILES IF PROLONGED/REPEATED CONTACT

Eye Protection:SAFETY GOGGLES IF CONTACT IS POSSIBLE

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hy

gienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DISCARD CONTAMINATED LEATHER GLOVES AND
SHOES.

Supplemental Safety and Health
NONE

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:.9 APPROX. (H2O=1)

Viscosity:100 DEG F=107.8

Evaporation Rate & Reference:(N-BUTYL ACETATE =1) 2.06

Solubility in Water:(IN WATER)

Appearance and Odor:CLEAR TAN FLUID WITH SLIGHT ODOR

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: HEAT, FLAME

Hazardous Decomposition Products: A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE. CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF SULFUR AND PHOSPHORUS AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Toxicological Information: 1 - ACUTE ORAL LD50 (RAT) > 5 G/KG; 2 - ACUTE ORAL LD50 (RAT) > 5 G/KG; ACUTE DERMAL LD50 (RABBIT) > 3.16 G/KG; 3 - ACUTE ORAL LD50 (RAT) > 5 G/KG; 4 - ACUTE ORAL LD50 (RAT) > 5 G/KG; ACUTE DERMAL LD50 (RABBIT) > 20 G/KG;

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

Waste Disposal Methods: DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RECYCLING OR REUSING IS RECOMMENDED. THIS PRODUCT CONTAINS BARIUM COMPOUNDS (D005).

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

Federal Regulatory Information: THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY LIST.

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