

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 483 -- 6850-00-209-7230

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

Product ID:ROYCO 483

MSDS Date:05/01/1999

FSC:6850

NIIN:00-209-7230

MSDS Number: CFTDW

=== Responsible Party ===

Company Name:ROYAL LUBRICANTS COMPANY INC.

Address:MERRY LN (FORMALLY 6 CAMPUS DR)

Box:518

City:EAST HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-7410/201-887-8404

Emergenc

y Phone Num:973-887-7411

Resp. Party Other MSDS Num.:700,002-1

Chemtrec Ind/Phone:(800)424-9300

CAGE:07950

=== Contractor Identification ===

Company Name:AMERICAN INK AND OIL CORP

Address:33 ENDICOTT STREET

Box:City:NORWOOD

State:MA

ZIP:02062-3006

Country:US

Phone:781-762-0026 / FAX: 781-762-1617

Contract Num:SP0450-00-M-SH18

CAGE:82956

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
Contract Num:SP0450-00-M-SE03
CAGE:1MDA6
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:HYDROTREATED LIGHT NAPHTHENIC DISTILLATE
CAS:64742-53-6
RTECS #:PY8036000
Minumum % Wt:70.
Maxumum % Wt:80.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:SOLV
ENT REFINED HYDROTREATED RESIDUAL OIL
CAS:64742-57-0
Minumum % Wt:15.
Maxumum % Wt:25.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 AS OIL MIST
ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:HYDROTREATED HEAVY PARAFFINIC DISTILLATE
CAS:64742-54-7
RTECS #:PY8035500
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:POLYOL ESTER
CAS:68309-32-0
Minumum % Wt:1.
Maxumum % Wt:8.
Other REC Limits:NONE RECOMMENDED

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Product Name: MINOR ADDITIVE

& Wt: 1.5

Other REC Limits: NONE RECOMMENDED

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

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

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

Health Hazards Acute and Chronic: EYE: LUBRICATING BASE OILS ARE

GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING TO THE EYES.

SKIN: LUBRICATING BASE OILS ARE GENERALLY CONSIDERED NO MORE THAN MILDLY IRRITATING TO THE SKIN. Prolonged

or repeated contact may

cause various skin disorders such as dermatitis, folliculitis or

oil acne. Inhalation: Inhalation of vapors (generated at high

temperatures only) or oil mists may be mildly irritating to nose,

throat, and respiratory tract. Ingestion: Ingestion of product may

result in vomiting, aspiration (breathing) of vomitus into the

lungs must be avoided as even small quantities may result in

aspiration pneumonitis.

Explanation of Carcinogenicity: This

product does not contain any

carcinogen as identified by IARC, NTP, or OSHA.

Effects of Overexposure: Irritation, aspiration pneumonitis may be

evidenced by coughing, labored breathing and cyanosis (bluish

skin): In severe cases death may occur.

Medical Condition Aggravated by Exposure: Persons with pre-existing skin

disorders and respiratory disorders may be aggravated by exposure to this product.

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

First Aid:

Inhalation: Move to fresh air. Provide oxygen if breathing is

difficult. Get medical attention. Eyes: Flush with water for 15

minutes. If irritation occurs, get medical attention. Skin: Remove

contaminated clothing/shoes and wipe excess from skin. Flush skin

with soap and water. If irritation occurs, get medical attention.

Do not reuse clothing until cleaned. Oral: Do not induce vomiting.

If vomiting occurs, keep head below hips to prevent aspiration of

liquid into

LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:=185.6C, 366.F

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
DON'T USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE
REIGNITED ON SURFACE OF WATER.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA
WITHOUT FULL BUNKER GEAR (HELMET WITH FACESHIELD, BUNKER COAT,
GLOVES, AND RUBBER BOOTS) INCLUDING P

OSITIVE PRESSURE

NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE
EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:MAY BURN ALTHOUGH NOT READILY IGNITABLE.
CONTAINER MAY RUPTURE IN FIRE OR EXTREME TEMPERATURES..

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

Spill Release Procedures:WHEN CLEANING UP LARGE SPILLS. WEAR RESPIRATOR
AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF
SAFE TO DO SO. DIKE AND CONTAIN.

REMOVE WITH VACUUM TRUCKS OR PUMP

TO STORAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS
CLAY, SAND OR OTHER SUITABLE MATERIAL. DISPOSE OF PROPERLY. FLUSH
AREA WITH WATER TO REMOVE TRACE RESIDUE. SMALL: TAKE UP WITH
ABSORBENT MATERIAL.

Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:MINIMIZE SKIN CONTACT. STORE IN A
COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN

FLAMES AND HIGH TEMPERATURES.

Other Precautions:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING,
SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDRY
CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF
CONTAMINATED LEATHER ARTICLES INCLUDING SHOES THAT CANNOT BE
DECONTAMINATED.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL
EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED RE

RESPIRATOR TO PREVENT

OVEREXPOSURE. IN ACCORD WITH 29CFR1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

Ventilation:GENERAL ROOM VENTILATION SHOULD BE SUFFICIENT.

Protective Gloves:CHEMICAL RESISTANT GLOVES TO MINIMIZE SKIN CONTACT.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

Other Protective Equipment:WEAR CHEMICAL RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work H

ygienic Practices:AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSION OR UNCONSCIOUSNESS OCCUR, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

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Physical/Chemical Properties
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HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT AVAILABLE

Spec Gravity:0.89

Evaporation Rate & Reference:UNKNOWN (NBUAC=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER OIL - SLIGHT HYDROCARBON ODOR

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, FLAMES.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,

LIQUID, PARTICULATES AND GASES WILL EVOLVE. CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY FORM UPON COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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Ecological Information
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Ecological:UNDER EPA-CWA, THIS PRODUCT IS CONSIDERED AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

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Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS. UNDER EPA-CWA, THIS PRODUCT IS CONSIDERED AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

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

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

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

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE LISTED IN THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

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