

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 481 -- 9150-00-273-2388

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

Product ID:ROYCO 481
MSDS Date:11/04/1999
FSC:9150
NIIN:00-273-2388
Status Code:A
MSDS Number: CKXDC
=== Responsible Party ===
Company Name:ROYAL LUBRICANTS COMPANY INC.
Address:MERRY LN
Box:518
City:EAST HANOVER
State:NJ
ZIP:07936-0518
Country:US
Info Phone Num:973-887-7410
Emergency Phone Num:(800)
424-9300
Resp. Party Other MSDS Num.:710,004-2
Chemtrec Ind/Phone:(800)424-9300
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
Contract Num:SP0450-01-M-C889
CAGE:07950
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
Contract Num:SPO450-01-D-5219
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:95.
Maxumum % Wt:98.
OSHA PEL:5 MG/M3 OIL MIST
ACGIH TLV:5 MG/M3 OIL MIST
ACGIH STEL:10 MG/M3 OIL MIST

Ingred Name:SOLVENT REFINED, HYDROTREATED MIDDLE DISTILLATE
CAS:64742-46-7
RTECS #:JN9379645
Minumum % Wt:2.
Maxumum % Wt:3.

Ingred Name:MINOR ADDITIVES
< Wt:2.

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Hazards Identification
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LD50 LC50 Mixture:NOT AVAILABLE
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: NOT EXPECTED TO BE MORE
THAN MINIMALLY IRRITATING TO EYES. SKIN CONTACT: PROLONGED OR
REPEATED CONTACT MAY CAUSE VARIOUS SKIN DIISORDERS SUCH AS
DERMATITS, FOLLICULITIS OR OIL ACNE. INHAL ATION: INHALATION OF
VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) 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:EYES: IRRITATION. SKIN: DERMATITIS,
FOLLICULITIS, OIL ACNE. INHALATION: NOSE, THROAT, AND REPIRATORY
TRACT IRRITATION. INGESTION: VOMITING, ASPIRATION PNEUMONITIS
EVIDENCED BY COUGHIN

G, LABORED BREATHING, CYANOSIS (BLUISH SKIN), DEATH.

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

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

First Aid: EYE CONTACT: FLUSH WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY. KEEP HEAD BELOW HIP TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method: COC

Flash Point: =143.3C, 290.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: DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER 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: MATERIAL WILL NOT BURN UNLESS PREHEATED.

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

Spill Release Procedures: MAY BURN BUT NOT READILY IGNITABLE. USE CAUTION WHEN CLEANING UP LARGE SPILLS. WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT. DISPOSE PROPERLY. FLUSH AREA WITH WATER TO REMOVE RESIDUE. SMALL SPILLS: TAKE UP WITH AN ABSORBENT AND DISPOSE OF PROPERLY.

Neutraliz

ing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPRATURES. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CON TAMINATED CLOTHING BEFORE REUSE.

Other Precautions:NO DATA PROVIDED BY MANUFACTURER.

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===== Exposure Controls/Personal Protecti
on =====

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORED WITH 29 CFR 1910.134 USE EITHER AN ATMOSHERE-SUPPLYING RESPIRATOR OR AN AIR-PURFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

Ventilation:NO DATA PROVIDED BY MANUFACTURER

Protective Gloves:WEAR GLOVES TO MINIMIZE SKIN CONTACT.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE TO AVOID CONTA
CT WITH EYES.

Other Protective Equipment:WEAR GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT WITH SKIN.

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT AS
PIRATION.

IF SYMPTOM S SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR (SEE OTHER INFORMATION).

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

HCC:V6

Boiling Pt:>248.9C, 480.F

Vapor Pres:5(AIR=1)

Spec Gravity:0.87 (H2O = 1)

Viscosity:10.3 CS @100F

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

Solubility in Water:NEGLIGIBLE.

Appearance and Odor:LIGHT YELLOW OIL, SLIGHT HYDROCARBON ODOR.

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

Sta

bility Indicator/Materials to Avoid: YES
CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: AVOID HEAT, FLAME, AND CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS FORMED DEPENDENT ON COMBUSTION CONDITIONS. MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES, GASES EVOLVE DURING PYROLYSIS. CO AND ORGANIC COMPOUNDS FORMED UPON COMBUSTION.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Toxicological Information: AMOCO HAS REPORTED TO THE US EPA PURSUANT TO SECTION 8(E) OF TSCA THAT A SAMPLE OF HYDROTREATED MIDDLE DISTILLATEE (CAS REGISTRY NUMBER 64742-46-7) APPLIED REPEATEDLY TO THE SKIN OF EXPERIMENTAL ANIMALS OVER THEIR LIFETIME PRODUCED A WEAL TUMORIGENIC RESPONSE IN THE SKIN. THE FULL REFINING/PROCESS HISTORY OF THIS SAMPLE WAS NOT PROVIDED IN AMOCO'S SUBMISSION.

===== Ecological Information =====

Ecological: UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8002.

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

Waste Disposal Methods: IF THIS PRODUCT BECOMES A WASTE. IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

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

Transport Information: DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS. THE DOT INFORMATION IN THIS SECTION IS BASED UPON AN EVALUATION OF THE PRODUCT AGAINST THE REQUIREMENTS OF 49 CFR 172 AND 173 AS REVISED BY HM-181.

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

SARA Title III Information: NO DATA PROVIDED BY MANUFACTURER.
Federal Reg

ulatory Information:THE COMPONENTS OF THIS PRODUCT ARE
LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

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

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