

ROYAL LUBRICANTS COMPANY INC. -- ROYCO 43 -- 9150-00-269-8255

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

Product ID:ROYCO 43
MSDS Date:02/01/1999
FSC:9150
NIIN:00-269-8255
Status Code:A
MSDS Number: CLDFL
=== 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:201-887-7411
Emergency Phone Num:973-887-7411
Resp. Party Other MSDS Num.:700,010
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:SPO450-01-M-C939
CAGE:07950

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

Ingred Name:ROYCO 43: A MIXTURE OF THE FOLLOWING INGREDIENTS
RTECS #:1009403SE
= Wt:100.

Ingred Name:SYNTHETIC ESTER: CONTA

INS 1330-86-5 AND 68649-12-7.

CAS:1330-86-5

RTECS #:1004726SE

> Wt:82.

Ingred Name:LITHIUM HYDROXYSTEARATE

CAS:7620-77-1

RTECS #:1002148LS

< Wt:13.

Ingred Name:OTHER COMPONENTS (TYPE NOT SPECIFIED)

RTECS #:1003214OC

< Wt:6.

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

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

Health Hazards Acute and Chronic:EYE: MAY BE MILDLY IRRITATING TO THE EYES. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN

DISORDERS SUCH AS DERMATITIS, FOLLICULITIS, OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO SKIN CAUSING LOCAL NECROSIS. INHAL/INGEST: NO SPECIFIC INFORMATION IDENTIFIED. OTHER HEALTH EFFECTS: THIS SPECIFIC PRODUCT HAS NOT BEEN TESTED IN LONG-TERM, CHRONIC EXPOSURE TESTS. LUBRICATING GREASES ARE GENERALLY CONSIDERED TO BE OF A LOW ORDER OF ACUTE TOXICITY TO HUMANS & EXPERIMENTAL ANIMALS.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY

CARCINOGEN IDENTIFIED BY IARC, NTP, OR OSHA. HOWEVER, THE HANDLING PROCEDURS & SAFETY PRECAUTIONS IN THIS MSDS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYEE'S EXPOSURE.

Effects of Overexposure:IRRITATION AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE AND SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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= First Aid Measures =====

First Aid:EYES-FLUSH WITH WATER FOR 15 MINS WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHING & WIPE EXCESS OFF. WASH WITH SOAP & WATER OR WATERLESS HAND CLEANER FOLLOWED BY S OAP & WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. IF MATERIAL INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE. INHALATION-REMOVE TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DI

DIFFICULT. GET MEDICAL

ATTENTION. INGEST-DO NOT INDUCE VOMITING. NO TREATMENT NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. GET MEDICAL ADVICE.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NA

Upper Limits:NA

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

Fire Fighting Pro

cedures:. DON'T ENTER CONFINED FIRESPACE WITH OUT PROPER PROTECTIVE EQUIPMENT INCLUDING NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

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

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

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

Handling and Storage Precautions:STORE I

N COOL DRY PLACE WITH ADEQUATE

VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Other Precautions:PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Protective Gloves:USE OIL RESISTANT GLOVES.

Other Protective Equipment:USE OIL RESISTANT GLOVES & OTHER CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH WITH SOAP/WATER BEFORE EATING, DRINKING, SMOKING, USING TOILET. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLE, SHOES, THAT CANNOT BE DECONTAMINATED.

Supplemental Safety and Health

PRODUCT: ROYCO? 43. CHEMICAL NAME: LUBRICATING GREASE. CHEMICAL FAMILY:

HYDROCARBON. SYNONYMS: MIL-G-4343C.

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

HCC:V6

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:INSOLUBLE.

Appearance and Odor:SMOOTH TAN GREASE WITH SLIGHT ODOR.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

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Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZING AGENTS.

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

Hazardous Decomposition Products:CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

Toxicological Information:ROYCO 43: ACUTE ORAL LD50-NOT AVAILABLE. NO OSHA/PEL OR ACGIH/TLV HAS BEEN ESTABLISHED.

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

Ecological:EPA- CLEAN WATER ACT (CWA): THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING SURFACE WATERS OR ANY WATERCOURSES OR SEWERS ENTERING/ LEAVING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

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

Waste Disposal Methods:DISPOSE OF IN APPROPRIATE DIS

POSAL FACILITY IN
COMPLIANCE WITH LOCAL REGULATIONS.

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

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

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

Federal Regulatory Information:BASED UPON DATA AVAILABLE TO ROYAL,
COMPONENT 3 (OTHER COMPONENTS) IN THIS PRODUCT IS NOT HAZARDOUS
UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.
1200). THE
COMPONENTS OF THIS PRODUCT ARE LIST ED ON THE EPA/TSCA INVENTORY OF
CHEMICAL STATUS.

State Regulatory Information:

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

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