



RLO SERIES OILS

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard (29CFR 1910.1200)

Manufactured For: RAMCO SPECIALTY PRODUCTS, Inc. ♦ 5956 State Road ♦ Bakersfield, CA 93308-3022
 Phone: (800) 334-7071 ♦ Fax: (714) 375-1225 ♦ Website: www.ramcospec.com

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME	RLO SERIES OILS	PROPER SHIPPING NAME	GREASE OR OIL N.O.S.
PRODUCT NUMBER	1710	DATE PREPARED	05/12/2003
PRODUCT DESCRIPTION	Multi-Functional Oils	PREPARED BY	WARREN SQUYRES
Information Phone	(800) 334-7071	24-Hour Emergency Phone No.	(800) 255-3924

NFPA - HMIS CODES

Health	1	Flammability	1	Corrosive	0	Reactivity	1	Personal Protection	B
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SECTION II - MATERIAL IDENTIFICATION AND INFORMATION

Description	CAS Number	N.J.T.S.R.N.	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Wt %
COMPONENTS (Non-Hazardous)						
Petroleum Oil	64742-54-7		NO			
PROPRIETARY COMPONENTS						
Additives		Pending	NO			

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Initial Boiling Point, °F	N/A	Evaporation Rate (n-Bu-Ac=1.0)	N/A
Vapor Pressure for Product	N/A	Melting Point, °F	N/A
Vapor Density for Product (Air = 1.0)	N/A	Molecular Weight, Avg.	N/A
Specific Gravity (H ₂ O=1 @ 75°F)	0.93	Viscosity, Typical (cp)	N/A
VOC (Grams/Liter @ 25°C)	N/E	Appearance and Color	Amber Liquid
Volatiles, % by Volume @ 100°C	Nil	Odor	Petroleum Oil
Total VOC %	N/E	Water Solubility (Wt %)	Insoluble

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (ASTM D92)	Min. 375°F (C.O.C.)
Auto Ignition Temperatures	N/D
Flammability Limits in Air	
Lower Explosive Limit Estimated	N/D
Upper Explosive Limit Estimated	N/D
Extinguishing Media	CO ₂ , Dry Chemical, Water Fog, or Foam
Unusual Fire and Explosion Hazards	None
Special Fire Fighting Procedures	Treat as oil fire; use self-contained breathing apparatus.



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SECTION V - HEALTH HAZARD DATA AND EMERGENCY FIRST AID PROCEDURES

ENTRY ROUTES	ADVERSE/CHRONIC EFFECTS	FIRST AID PROCEDURES
EYES	May cause irritation.	Flush eyes with water using eyecup or fountain for at least 15 minutes while lifting upper and lower lids open. Seek medical attention immediately if irritation persists.
INGESTION	May cause nausea, diarrhea, and vomiting.	Call a physician. DO NOT INDUCE VOMITING. Keep warm.
INHALATION	May cause irritation.	Remove to fresh air. See physician if irritation persists.
SKIN	May cause irritation. Prolonged or repeated contact may produce mild skin irritation and inflammation.	Remove contaminated clothing. Wash exposed area with soap and water. Seek medical attention if irritation persists.
CARCINOGEN	NONE	MEDICAL CONDITIONS TO AVOID Pre-existing skin disorders.

SECTION VI - REACTIVITY DATA

STABILITY	Stable - Do not heat above flash point.
HAZARDOUS POLYMERIZATION	Will not occur - No conditions known.
INCOMPATIBILITY	Strong Oxidizing Agents, Welding
HAZARDOUS DECOMPOSITION	Carbon Dioxide, Carbon Monoxide, Trace Sulfur Compounds

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Stop flow, scrape, wipe, mop up, or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal.	
WASTE DISPOSAL	Disposal of in compliance with Federal, State, and Local laws.
HANDLING & STORAGE	Avoid storage near open flame or other sources of ignition. Spills may cause slippery floors. Proper footwear required. Remove contaminated clothing and launder before reuse. Discard contaminated leather gloves and shoes.
OTHER PRECAUTIONS	KEEP OUT OF REACH OF CHILDREN. Read and follow label directions. For Industrial/Institutional use only.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type)	Not needed for normal use in accordance with label directions.
VENTILATION	Normal ventilation is usually adequate.
PROTECTIVE GLOVES	Neoprene or Nitrile rubber gloves recommended.
EYE PROTECTION	Approved safety glasses with side shields or goggles.
OTHER PROTECTIVE CLOTHING/EQUIPMENT	Chemically resistant boots and apron recommended.
WORK HYGIENIC PRACTICES	Employees must practice good personal hygiene; washing exposed areas of skin several times daily and before eating, drinking or smoking. Launder contaminated clothing before reuse.

SECTION IX - TRANSPORTATION DATA

PROPER SHIPPING NAME	GREASE OR OIL N.O.S.
DOT ID NUMBER	N/A
DOT HAZARD CLASS	NOT REGULATED

The information and recommendations set forth herein are presented in good faith and believed to be correct and reliable. RAMCO SPECIALTY PRODUCTS, Inc. makes no representation as to the completeness or accuracy thereof and supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use.