



TRX-500

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
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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME	TRX-500 (Bulk & Tubes)	PROPER SHIPPING NAME	GREASE OR OIL N.O.S.
PRODUCT NUMBER	1199, 1202, 1203	DATE PREPARED	01/30/2003
PRODUCT DESCRIPTION	Super Impact Grease	PREPARED BY	WARREN SQUYRES
Information Phone	(800) 334-7071	24-Hour Emergency Phone No.	(800) 255-3924

NFPA - HMIS CODES

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

Description	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	VOC Grams/Liter	Wt %
Petroleum Oil Mixture	--	NO	5mg/m3	5mg/m3	--	--
Additives	--	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 (mmHg @ 20°C)	N/A	Melting Point, °F	N/E
Vapor Density for Product (Air = 1.0)	12	Molecular Weight, Avg.	N/A
Specific Gravity (H2O=1 @ 25°C)	0.8	Viscosity, Typical (cp)	N/A
VOC (Grams/Liter @ 25°C)	N/A	Appearance and Color	Green Tacky Gel
Volatiles, % by Volume @ 100°C	N/A	Odor	Petroleum
Total VOC %	N/A	Water Solubility (Wt %)	Negligible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (ASTM D92) C.O.C.	>400°F
Auto Ignition Temperatures	N/A
Flammability Limits in Air	
Lower Explosive Limit Estimated	N/E
Upper Explosive Limit Estimated	N/E
Extinguishing Media	Water Spray, Dry Chemical, Foam, or Carbon Dioxide
Unusual Fire and Explosion Hazards	Empty containers may retain product residue including flammable or explosive vapors. Do not cut, drill, grind or weld on or near part full or empty drum.
Special Fire Fighting Procedures	Use water to cool fire-exposed containers, structures and to protect personnel. Water or foam may cause frothing. Firefighters may need to wear positive supplied or 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 or until irritation subsides while lifting upper and lower lids open. Seek medical attention if irritation persists.
INGESTION	May cause gastrointestinal irritation, vomiting, nausea or diarrhea.	Not expected to be a problem. If more than ½ pint ingested, seek medical attention.
INHALATION	Not expected to be a problem. Massive exposure to vapors or fumes may cause headaches, dizziness and/or drowsiness.	Remove to area of fresh air.
SKIN	Prolonged or repeated contact may cause irritation and/or dermatitis.	Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, seek medical attention.
CARCINOGEN	NONE	MEDICAL CONDITIONS TO AVOID Dermatitis

SECTION VI - REACTIVITY DATA

STABILITY	Stable - No conditions known
HAZARDOUS POLYMERIZATION	Will not occur - No conditions known
INCOMPATIBILITY	Strong oxidizing agents
HAZARDOUS DECOMPOSITION	Thermal - Unidentified organics Oxidation - Oxides of Carbon

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Absorb on fire resistant absorbent. Place in properly labeled, non-leaking container for disposal.	
WASTE DISPOSAL	Dispose of in compliance with Federal, State, and Local laws.
HANDLING & STORAGE	Keep away from flames, sparks and hot surfaces. Keep containers closed. Do not wear contaminated clothing.
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 room ventilation is usually adequate at ambient temperatures.
PROTECTIVE GLOVES	Oil resistant gloves recommended.
EYE PROTECTION	Safety Glasses with Side Shields or Splash goggles.
OTHER PROTECTIVE CLOTHING/EQUIPMENT	Oil resistant apron to prevent clothing contamination.
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.