



**UN #95**

**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](http://www.ramcospec.com)

**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME	UN #95 (Bulk)	PROPER SHIPPING NAME	Toxic, Liquids, Organic, N.O.S.
PRODUCT NUMBER	10122	DATE PREPARED	06/01/2003
PRODUCT DESCRIPTION	Solvent Cleaner and Degreaser	PREPARED BY	WARREN SQUYRES
Information Phone	(800) 334-7071	24-Hour Emergency Phone No.	(800) 255-3924

**NFPA - HMIS CODES**

Health	2	Flammability	0	Corrosive	0	Reactivity	0	Personal Protection	6
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**SECTION II - MATERIAL IDENTIFICATION AND INFORMATION**

Description	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	CARCINOGEN	Wt %
*Trichloroethylene	79-01-6	YES	50	50	YES	--

\*WARNING - This product contains a chemical known to the State of California to cause cancer.

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Initial Boiling Point @ 212°F	~154.4°F	Evaporation Rate (n-Bu-Ac=1.0)	N/E
Vapor Pressure for Product (psig @ 70°F)	N/A	Freezing Point	N/E
Vapor Density for Product (Air = 1.0)	>1	Molecular Weight, Avg.	N/E
Specific Gravity (H2O=1 @ 75°F)	1.419	Viscosity, Typical (cp)	N/E
VOC (Grams/Liter @ 25°C - EPA Method 24)	N/E	Appearance	Clear Liquid
Total VOC %	100%	Odor	Solvent Odor
Water Solubility (<0.1g/100g @25°C)	Insoluble	pH	N/E

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (of concentrate only)	None to boiling (158°F)
Auto Ignition Temperatures	N/E
Flammability Limits in Air	
Lower Explosive Limit Estimated	N/E
Upper Explosive Limit Estimated	N/E
Extinguishing Media	Water Fog, Foam, CO2, Dry Media
Unusual Fire and Explosion Hazards	Exposure to temperature above 120°F may cause bursting.
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing. Cool fire-exposed containers to prevent rupturing.
FLAMMABILITY as per USA FLAME PROJECTION TEST (Aerosols)	N/A



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**SECTION V - HEALTH HAZARD DATA AND EMERGENCY FIRST AID PROCEDURES**

ENTRY ROUTES	ADVERSE/CHRONIC EFFECTS	FIRST AID PROCEDURES
<b>EYES</b>	Causes pain, redness and irritation.	Flush eyes with large amounts of cool running water using eyecup or fountain for at least 15 minutes while lifting upper and lower lids open. Get medical attention immediately.
<b>INGESTION</b>	Can cause nausea, gastrointestinal irritation, diarrhea, and vomiting. Aspiration into lungs can cause chemical pneumonitis.	If conscious: Drink large amounts of water. DO NOT INDUCE VOMITING. Get immediate medical attention. If unconscious: Do not attempt to give anything by mouth to and unconscious person. Get medical attention immediately.
<b>INHALATION</b>	Inhalation may result in nervous system depression. Mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects including, but not limited to, ventricular fibrillation, cardiac failure or death.	Remove to fresh air. If continued difficulty is experienced, seek immediate medical attention. If breathing stops, give artificial respiration.
<b>SKIN</b>	Frequent or prolonged contact may cause irritation.	Remove contaminated clothing. Wash exposed area with soap and water. Seek medical attention if irritation persists.
<b>MEDICAL CONDITIONS TO AVOID</b>	None known.	
<b>NOTES TO PHYSICIAN</b>	Only administer adrenaline after careful consideration following Trichloroethylene over-exposure. Increased sensitivity of the heart to Adrenaline may be caused by over-exposure to Trichloroethylene.	

**SECTION VI - REACTIVITY DATA**

<b>STABILITY</b>	Stable - No conditions known.
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur - No conditions known.
<b>INCOMPATIBILITY</b>	Avoid contact with strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION</b>	Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, Small amount of Phosgene.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> - Maintain local exhaust and adequate ventilation. Extinguish all ignition and combustion sources. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Local, State and Federal Regulations.	
<b>WASTE DISPOSAL</b>	Consult Federal, State and Local authorities for approved procedures.
<b>HANDLING &amp; STORAGE</b>	Do not puncture or incinerate containers. Do not store at temperatures above 120°F. Keep away from heat, open flame, sparks, or electrical arcs.
<b>OTHER PRECAUTIONS</b>	KEEP OUT OF REACH OF CHILDREN. Read and follow label directions. For Industrial/Institutional use only.
<b>NFPA CODE 30B RATING</b>	N/A

**SECTION VIII - CONTROL MEASURES**

<b>RESPIRATORY PROTECTION</b>	Not needed for normal use in accordance with label directions. If ventilation is not adequate to reduce vapors below TLV levels, use a NIOSH/MSHA Approved air-purifying respirator equipped with an organic vapor cartridge.
<b>VENTILATION</b>	Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.
<b>PROTECTIVE GLOVES</b>	Use chemical resistant gloves if contact will be made.
<b>EYE PROTECTION</b>	Wear chemical proof splash goggles or face shield with safety glasses for splash protection.
<b>OTHER PROTECTIVE CLOTHING/EQUIPMENT</b>	None usually required, but long sleeves should be worn.
<b>WORK HYGIENIC PRACTICES</b>	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**

<b>PROPER SHIPPING NAME</b>	<b>TOXIC, LIQUIDS, ORGANIC, N.O.S. (Trichloroethylene)</b>
<b>DOT ID NUMBER</b>	<b>UN1710</b>
<b>DOT HAZARD CLASS</b>	<b>6.1, PG III</b>

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