



# T1-32, T1-G T-1 PREP SOLVENT

Written by Super User. Posted in [MSDS SHEETS](#)

## SECTION I - PRODUCT IDENTIFICATION

Product Name: T1-32, T1-G T-1 PREP SOLVENT

Revision: 12/4/03

## SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

INGREDIENT CHEMICAL NAME	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	CAS NUMBER
Hydrocarbon Mixture	400ppm	NE	N/A	64742-89-7
2-Butanone	200ppm	200ppm	N/A	78-93-3
Rubbing Alcohol	400ppm	400ppm	N/A	67-63-0
Normal Butyl Acetate	150ppm	150ppm	N/A	123-86-4
2-Butoxyethanol	25ppm	25ppm	N/A	111-76-2

## SECTION III - PHYSICAL DATA / CONTENTS WITHOUT PROPELLENT

BOILING POINT: 172-343°F

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.7821

VAPOR PRESSURE (mm Hg): N/A

MELTING POINT: N/A

VAPOR DENSITY (AIR = 1): Is heavier than air

EVAPORATION RATE (Butyl Acetate = 1): Is slower than Ether

SOLUBILITY IN WATER: N/A

APPEARANCE AND ODOR: Clear liquid / Solvent

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 20°F

FLAMMABLE LIMITS LEL: 1.1% UEL: 99.0%

**EXTINGUISHING MEDIA:** WATER FOG x STANDARD FOAM x CO<sub>2</sub> x  
 DRY CHEMICAL x HALON

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. Extremely Flammable. Material will readily ignite at room temperatures. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**SPECIAL PRECAUTIONARY STATEMENTS:**

Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**SECTION V: REACTIVITY DATA**

**STABILITY:** x Stable Unstable

**Incompatibility :** No information

**Hazardous Decomposition:** No information

**HAZARDOUS POLYMERIZATION:** May Occur xWill not occur

**Conditions to Avoid:** No information

**SECTION VI: HEALTH HAZARD DATA**

**ROUTES OF ENTRY & HEALTH HAZARDS (ACUTE AND CHRONIC)**

**INGESTION:** This material may be harmful or fatal if swallowed.

**EYES:** Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of

fine dust in the eyes. Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.

**INHALATION:** Prolonged inhalation may be harmful. Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by inhaling the contents may be harmful.

**SKIN:** Causes skin irritation. Allergic reactions are possible. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Harmful if inhaled, swallowed or absorbed through the skin.

#### **EMERGENCY AND FIRST AID PROCEDURES**

**INGESTION:** Get medical attention immediately. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

#### **SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE LARGE AMOUNTS ARE RELEASED:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Wear a self-contained breathing apparatus and appropriate personal protective equipment.

**WASTE DISPOSAL METHOD:** Dispose in accordance with State, local and Federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** This product is to be used for industrial or professional uses only and is to be applied only by those who are trained in its safe and proper application. When transferring material ground and bond containers and use spark proof tools and explosion proof equipment. Wash thoroughly after handling. Keep away from heat, sparks and flame. Keep container closed when not in use.

**OTHER PRECAUTIONS:** N/A

**SECTION VIII: CONTROL MEASURES**

<b>RESPIRATORY PROTECTION:</b>	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
<b>VENTILATION:</b>	Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGHI's TLV limit. Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation during the use of this product. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>LOCAL EXHAUST:</b>	N/A
<b>PROTECTIVE GLOVES:</b>	Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).
<b>EYE PROTECTION:</b>	Wear safety glasses with side shields (or goggles) and a face shield.

**SECTION IX: SPECIAL PRECAUTIONS**

<b>HEALTH: 2</b>	<b><u>HAZARD RATING KEY</u></b>
<b>FLAMMABILITY: 3</b>	0 = MINIMAL
<b>REACTIVITY: 0</b>	1 = SLIGHT
<b>PERSONAL PROTECTION:</b>	2 = MODERATE
	3 = SERIOUS
	4 = SEVERE

	* = CHRONIC HEALTH EFFECTS
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