



**Section 1 • Chemical Product and Company Identification**

Product Name: **Preptone™** Product Code: PTN  
 Product Description: Precision Cleaning Solvent containing UltraPrep™ and Acetone

Company:  
 T2 Laboratories Inc  
 1830 Clarkson Street  
 Jacksonville, FL 32202-1006 USA  
 Phone 904-632-2172  
 Fax 904-632-2182  
 Email info@t2labs.com  
 Web www.t2labs.com

**Emergency Telephone Numbers:**  
**24 hrs Chem-Tel 800-255-3924**  
 24 hrs 813-979-0626 (collect)  
 T2 Labs Main 904-632-2172  
 T2 Labs Mobile 904-631-1715  
 Local Emergency 904-396-3258

**Section 2 • Composition and Information on Hazardous Ingredients**

Component	CAS No.	Weight%	OSHA HCS Hazard(s)
2-propanone	67-64-1	80-100	Extremely Flammable. Skin and eye irritant. NIOSH TWA 250 ppm (590 mg/m3) and OSHA PEL 1000 ppm (2400 mg/m3).
d-limonene	5989-27-5	0-20	Skin and eye irritant. No ACGIH TLV or OSHA PELs established.

**EC Classifications:**

- F - Extremely Flammable.
- Xi - Irritant.
- R11 - Highly Flammable. R36 - Irritating to eyes. R38 - Irritating to skin.
- S2 - Keep out of reach of children. S9 - Keep container in well ventilated place. S16 - keep away from sources of ignition - No smoking. S23 - Do not breathe fumes. S33 - Take precautionary measures against static discharges.
- S24 - Avoid contact with skin. S25 - Avoid contact with eyes.

**Section 3 • Hazards Identification**

**Emergency Overview:**

Appearance: Clear liquid.  
 Odor: Characteristic Acetone.  
 Risk Summary: Contains Acetone which is a volatile substance that is extremely flammable. Vapors form explosive mixtures with air. Irritating to eyes and skin. Harmful if swallowed or inhaled. Avoid heat, sparks and open flame. Warning - explosive vapors can travel to remote sources of ignition.

**Potential Health Effects:**

Inhalation: Vapor concentrations of 2,500-3,000 ppm cause irritation to eyes, nose, and throat. Higher concentrations will cause headache, nausea, confusion, drowsiness, convulsions and coma.  
 Eyes: Irritating to eyes and mucous membranes.  
 Skin: Prolonged exposure to the liquid will cause dryness and inflammation of the skin. Prolonged exposure to the vapor irritates the skin.  
 Ingestion: Will be irritating to tissues. May be harmful or fatal if swallowed in sufficient quantity. See Section 11 (Toxicological information) for further information.

Chronic: Not considered a carcinogen by NTP, IARC, or OSHA. No known chronic indications.

Environmental Hazards:

Contains d-limonene. Related chemicals are known to be aquatic toxicants.

**Section 4 • First Aid Measures**

Inhalation: Seek fresh air immediately. If breathing is difficult, get medical attention.  
Eyes: Flush with water for at least 15 minutes. If irritation develops, get medical attention.  
Skin: Remove contaminated clothing. Wash affected areas with soap and water. If irritation develops, get medical attention.  
Ingestion: Drink lots of water to dilute substance. Get medical attention.

**Section 5 • Fire Fighting Procedures**

Flammable Properties: EXTREMELY FLAMMABLE. Flashpoint -18°C (0°F) TCC. Vapors form explosive mixtures with air.  
Extinguishing Media: Carbon dioxide, dry chemical, foam.  
Fire Fighting Instructions:  
Use CO<sub>2</sub>, foam or dry chemical. Use water as a spray only to lower temperature (some components will float on water). Treat as an oil fire.

**Section 6 • Accidental Release Measures**

Personal Precautions: See Section 8, Personal Protection.  
Environmental Precautions: Do not discharge into surface waters. May be toxic to aquatic organisms. Will partially dissolve in water. See Section 3 (Environmental Hazards) and Section 12 (Ecological Information) for further information.  
Containment and Cleanup Techniques:  
Exercise caution as hard floors coated with this material may be slippery. Small spills may be absorbed by sand or oil-absorbing materials. Large spills should be collected by pumping into closed containers for recovery or disposal. Flush the spill area thoroughly with water. Spills over water will create oil pools which may be collected by oil absorbants or by skimming. WARNING - EXTREMELY FLAMMABLE. Remove all sources of ignition in the event of a spill.

**Section 7 • Handling and Storage**

Handling: EXTREMELY FLAMMABLE. Keep away from heat, sparks, and flame. Ground all equipment before transferring. Wear chemical safety glasses, gloves, goggles, and apron.  
Storage: Store in tightly closed metal or glass containers. Do not store in plastic. Avoid heat, sparks, and open flames. Treat empty containers as explosion hazard.

**Section 8 • Exposure Controls, Personal Protection**

Engineering Controls: Good ventilation is essential. Mechanical ventilation may be necessary. Explosion-proof fans should be used.  
Exposure Guidelines: Contains acetone with NIOSH TWA 250 ppm (590 mg/m<sup>3</sup>) and OSHA PEL 1000 ppm (2400 mg/m<sup>3</sup>). Additional ingredients have no exposure limits established. Exceeding these limits may cause gastroenteric irritation, narcosis, and injury to the kidneys and liver.  
Respiratory Protection: For incidental exposure (with adequate ventilation) no respirator is required. For concentrations above 750 ppm full-face organic vapor cartridge is required.  
Skin Protection: Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.  
Eye Protection: Wear chemical safety glasses, goggles, or face shield to prevent eye contact. Contact lenses should not be worn when working with this chemical.

## Section 9 • Physical and Chemical Properties

Appearance: Colorless liquid.  
Odor: Characteristic pungent acetone odor.  
Physical State: Liquid.  
pH: ca. 7 (neutral in a water solution).  
Vapor Pressure: ca. 180 mmHg at 20°C.  
Vapor Density: 2.0 (air = 1.0)  
Boiling Point: 56°C (133°F).  
Flashpoint: -18°C (0°F) TCC  
Freezing Point: <-20°C (<-4°F)  
Solubility in water: ca. 90%  
Specific Gravity: 0.7968 @ 25°C  
VOC Content: 79 g/l @ 25°C (excluding exempt components).  
Molecular Weight: mixture.  
Chemical Formula: mixture.

## Section 10 • Stability and Reactivity

Conditions to Avoid: Heat, sparks, and open flames. Exposure to air creates an explosion hazard.  
Materials to Avoid: Avoid contact with strong acids, strong bases, and oxidizing agents.  
Decomposition Products: Ultimate decomposition products are CO<sub>2</sub> and water.

## Section 11 • Toxicological Information

Target Organs: Eyes, skin, kidneys, liver.  
Routes of Entry: Eye and skin contact. Inhalation.  
Acute Toxicity: Oral rat LD<sub>50</sub> > 5000 mg/kg on all components (RTECS). Acute Inhalation Exposure: at 500 ppm causes eye and nose irritation (RTECS: TCLo 500 ppm), at 12,000 ppm causes nausea, vomiting, muscle weakness (RTECS: TCLo 12,000 ppm).  
Chronic Toxicity: No known chronic indications.

## Section 12 • Ecological Information

Biodegradability: Not determined. Related chemicals are known to be biodegradable.  
Aquatic Toxicity: Not determined. Related chemicals are known to be aquatic toxicants.  
Environmental Fate: Not Determined. Related chemicals are known to be non-persistent in the environment.  
Bioaccumulation Potential: Not Determined. Related chemicals are known to be non-accumulating in the environment.

## Section 13 • Disposal Considerations

RCRA Hazardous Waste: Classified as a RCRA Hazardous waste (flammability characteristic).  
Disposal Methods: Dispose of this material by incineration or recovery at a government-approved disposal facility.

## Section 14 • Transport Information

DOT:  
Proper Shipping Name: Flammable Liquid, n.o.s. (acetone), 3, UN1993, PG II.  
Exceptions: N/A  
IMO: Not Regulated.  
IATA: Not Regulated.

## Section 15 • Regulatory Information

TSCA (USA): Listed.  
EINECS (EC): Listed.  
DSL (Canada): Listed.  
AICS (Australia): Listed.  
MITI (Japan): Listed.  
KECL (South Korea): Listed.

**Section 16 • Other Information**

Emergency Contact: M-F 8-5pm Eastern US Time 1-904-632-2172  
Toll Free 24 hours US Chem-Tel 1-800-255-3924  
International 24 hours collect Chem-Tel 1-813-979-0626

**Hazard Ratings**

HMIS: Health = 2 Flammability = 4 Reactivity = 1 Personal Protection = C  
NFPA: Health = 1 Flammability = 3 Reactivity = 0  
(0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)

---

To the best of our knowledge this information is accurate and current as of the date printed below. It is provided in good faith without warranty to assist in the proper handling and storage of this product. This information may change when the material is used in combination with any other materials or in any process. T2 Labs assumes no liability for the accuracy or completeness of the information contained herein. Final determination as to the safety and suitability of this material is the sole responsibility of the user, as is the responsibility to comply with all applicable federal, state, and local regulations related to the transport, storage, use, or disposal of this and any other chemical product.

---