



Description

Preptone™ is a fast-evaporating solvent system that incorporates the UltraPrep™ terpene solvent technology. It is a precision blend of ultra-high purity d-limonene (UltraPrep™) in an acetone base. The product combines the advantages of both solvents, with a proprietary inhibitor that protects the terpene from oxidation:

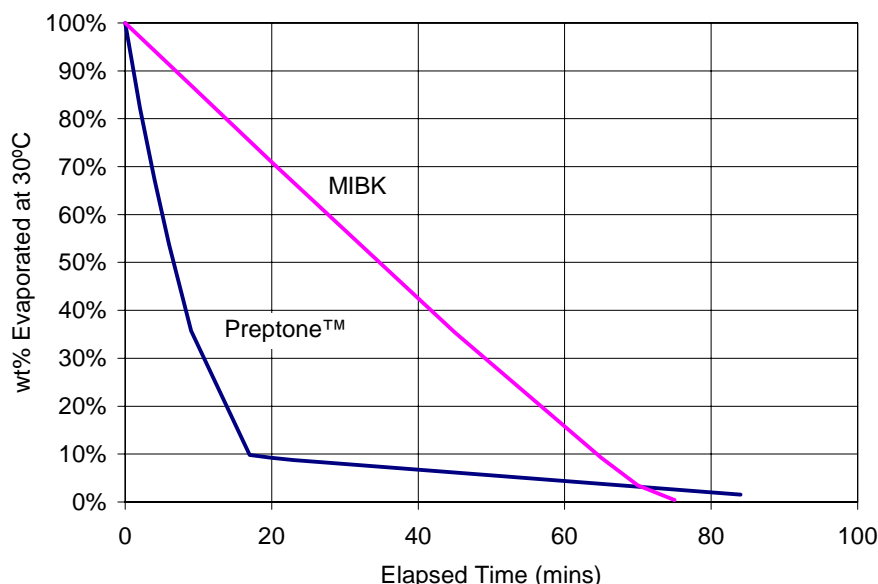
Features	Benefits
Contains UltraPrep™ Precision terpene solvent	<ul style="list-style-type: none">• Strong solvency, ultra-clean evaporation.• Non-polar solvency for difficult soils like sealants, lubricants, waxes. Ideal for pre-paint cleaning.• The vapor pressure of the non-exempt component is well below the 45mmHg limit for aerospace applications.
UltraPrep™ is delivered in an acetone base	<ul style="list-style-type: none">• Fast evaporation with traditional MEK and TCA “feel”.• The polar solvency of acetone is synergistic with the d-limonene, resulting in broad spectrum solvency.• Acetone is VOC exempt. VOC compliance is easy with Preptone™.

Preptone™ evaporates much like acetone, and therefore has the “feel” of fast evaporating solvents like TCA and MEK. But because it contains terpene solvents, the performance is significantly higher than most ketone solvents. In addition, because the acetone component is VOC exempt, the vapor pressure and total VOC content are both well below any regulatory threshold. Preptone™ contains no halogenated components, no HAPs, and no ozone depleting solvents. It is a better overall replacement for traditional hand-wipe cleaners than MIBK.

Like most terpene and ketone solvents, Preptone™ is compatible with all metals, and some plastics, but few elastomers. It is not recommended for painted surfaces that may not be compatible with acetone. Preptone™ is partially water soluble but exhibits no pH.

Evaporation Rate – Preptone™ vs. MIBK

Preptone™ and MIBK have roughly the same dry time, although the drying profiles are dissimilar. While lab tests show that both MIBK and Preptone™ evaporate in roughly 90 minutes under the same conditions (glass evaporating dish, static air, 30°C), Preptone™ comes off much more quickly on the front end. In double-wipe tests, Preptone™ beats MIBK in dry time with lower total VOC emissions.



Physical Data

Appearance:	Clear Liquid
Color (PtCo or APHA):	20 (light amber to water white)
Density (lb/gal @ 25°C):	6.59
Flash Point (°F, TCC)	0
NVR (non volatile Residue on evaporation)	nil
Odor:	Characteristic acetone
Solubility in Water (wt%):	ca. 90%
Specific Gravity (25°C):	0.790
Vapor pressure (mmHg @ 20°C)	1.5 (excluding exempt components)
VOC Content (g/liter @ 25°C):	79 (excluding exempt components)
Volatiles, % by Volume:	100%

Safety Data

NFPA Rating:	Health - 1 Flammability - 3 Reactivity - 0
HMS Rating:	Health - 2 Flammability - 4 Reactivity - 1 Personal Protective Equipment - C
Flash Point (TCC):	0°F (-18°C)
Flammability Limits in Air:	Lower 2.5%, Upper 13% (based on acetone)

Environmental Data

VOC content (grams/liter @ 25°C):	79
LD ₅₀ (rat oral, mg/kg):	>5000 (all ingredients)
RCRA Hazard Class:	Flammable
EPA Priority Pollutants:	None
SARA III §302 and §313 Toxicants	None
Ozone Depleting Chemicals:	None
California Prop 65 carcinogens, mutagens, or teratogens	None

Transportation Data

Net Drum Weight (pounds):	350
Proper Shipping Name (55 gal drums via ground):	Flammable Liquid, n.o.s. (acetone), 3, UN1993, PG II
Proper Shipping Name (bulk):	Flammable Liquid, n.o.s. (acetone), 3, UN1993, PG II

MSDS and Emergency Response Information

Contact T2 Labs during normal business hours for further information and to obtain a current Material Safety Data Sheet. For product and safety data after hours, visit our web site at <http://www.T2Labs.com>. For 24 hour emergency response instructions or to receive a MSDS via fax after hours, contact Chem•Tel at 800-255-3924 in North America, or 813-979-0626 (collect) worldwide.