

Low VOC Handwipe Solvent

Product Data Sheet

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Description

A fast-evaporating solvent system that incorporates the Ultra Prep™ 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.

PREPTONE has the “feel” of fast evaporating solvents like TCE and MEK. 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 below many regulatory thresholds.

PREPTONE contains no halogenated components, no HAPs, and no ozone depleting 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.

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

Benefits

- Strong solvency, ultra-clean evaporation
- Non-polar solvency for difficult soils like sealants, lubricants, waxes. Ideal for pre-paint cleaning
- Vapor pressure of non-exempt component is well below the 45mm Hg limit for aerospace applications
- Fast evaporation with traditional MEK and TCE “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.

Key Physical Characteristics

Property	Typical Value
Appearance	Clear liquid
Color (APHA)	40 max.
Density (lb/gal @ 25°C)	6.63
Flash Point (TCC)	0°F (-18°C)
NVR (ASTM D1353 Mod.)	<100 ppm
Acidity (ASTM D1613)	0.1% max.
Odor	Characteristic acetone
Solubility in Water (wt%)	Approx. 90%
Specific Gravity (25°C)	0.795 ± 0.05
VOC Content	79 grams/liter
Vapor pressure	0.14 mm Hg @ 20°C (excluding exempt components)
Volatiles, % by volume	100%

Safety and Handling Precautions

PREPTONE is an extremely flammable material which should never be used around open flames, (welding torches, for example). Containers should be stored in a cool place.

The MSDS contains complete environmental, safety and health data. Please read the MSDS prior to using this material.

Packaging

Product Name	Part No.	Packaging
PREPTONE	1093-55	55 Gal Drum
PREPTONE	1093-5	5 Gal Pail
PREPTONE	1093-1	4 x 1 Gal Case