



**T2 Laboratories Inc.**  
 1830 Clarkson Street  
 Jacksonville, FL 32202-1006 USA  
 Phone 904-632-2172  
 Fax 904-632-2182  
 Email info@T2Labs.com

**Product Data Sheet**

T2 Labs Product Code: TEN

**AlphaClean™ TEN**

Last Revision: 25 May 2001

**Description**

AlphaClean™ TEN (Terpene Emulsion Neutral pH) is a concentrated *d*-limonene emulsion cleaning agent for use in a variety of cleaning applications. Because it has a neutral pH, it is compatible with aluminum alloys and other metals. AlphaClean™ TEN is superior to non-solvent aqueous cleaning agents for use against difficult soils such as oil, grease, and wax. It is made with pure citrus *d*-limonene and non-toxic surfactants, is biodegradable, has a low VOC content, and can be diluted to produce an exceptionally cost-effective cleaning agent.

**Use Information**

AlphaClean™ TEN is diluted with water to produce a ready-to-use cleaner and degreaser for both hard (metal, glass, plastic) and soft (fabric) surfaces. Use the following recommendations as a starting point in your application:

Cleaning Application	Dilution (TEN:Water)	Emulsion Stability
Engine Degreaser	1 : 4	Stable
Fabric Pre-Spotting	1 : 4	Stable
Parts Washer	1 : 9	Stable
Dip Tanks	1 : 9	Stable

Cleaning Application	Dilution (TEN:Water)	Emulsion Stability
Carpet and Fabric	1 : 14	Stable
Plastics	1 : 19	Stable
Vehicle Exterior	1 : 19	Stable
Spray and Wipe	1 : 24	Stable

**Physical Data**

Appearance: ..... Translucent Viscous Liquid  
 Color: ..... Light Amber  
 Density (lb/gal @ 25°C): ..... 8.1  
 Flash Point (°F, TCC) ..... 128  
 Odor: ..... Orange / Citrus  
 pH of water solution: ..... 6-8  
 Solubility in Water (wt%): ..... Completely miscible  
 Specific Gravity of Concentrate (25°C): ..... 0.9640  
 Viscosity, typical (cp): ..... > 10  
 VOC Content of Concentrate (g/liter @ 25°C): ..... 269  
 Volatiles, % by Volume of Concentrate: ..... 75%

**Safety Data**

NFPA Rating: ..... Health - 0 Flammability - 2 Reactivity - 0  
 HMIS Rating: ..... Health - 2 Flammability - 2 Reactivity - 1  
 Personal Protective Equipment - C  
 Flash Point (TCC): ..... 128°F (53°C)  
 Flammability Limits in Air ..... Lower 0.7% est'd, Upper 6.1% est'd

**Environmental Data**

VOC content of Concentrate, grams/liter: ..... 269  
 RCRA Hazard Class: ..... Combustible  
 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): ..... 440  
 Proper Shipping Name (55 gal drums via ground): ..... Chemicals n.o.i, Not regulated  
 Proper Shipping Name (bulk): ..... Combustible liquid n.o.s. (*d*-limonene), 3, NA1993, PG III

**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.