



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

Description

AlphaSolv™ Limonene HF (High Flash) is the ultimate high flash point d-limonene solvent. It is the marriage between the lowest-odor premium-quality natural d-Limonene and a mild, non-toxic, proprietary (patent-pending) additive that enhances the flash point. The resulting product has the same pleasant odor of natural limonene, the solvency of pure d-limonene, a nearly water-white color, but with a significantly higher flash point.

AlphaSolv™ Limonene HF is formulated to have a flashpoint of 145°F TCC, well above 142°F threshold that allows the solvent to be classified as a non-hazardous waste by RCRA guidelines. It contains natural citrus solvents, and contains no toxic impurities or regulated chemicals. The toxicity of AlphaSolv™ Limonene HF is actually lower than that of natural d-limonene!

Like most terpene solvents, AlphaSolv™ Limonene HF is compatible with all metals, and some plastics, but few elastomers. It is water insoluble and exhibits no pH. It is biodegradable, has a low evaporation (VOC release) rate, and has low mammalian toxicity.

Use Information

AlphaSolv™ Limonene HF can be used in most any solvent system in which d-limonene is suitable. It is not water soluble or dilutable, and is not chemically reactive with water or other solvents. The HLB of AlphaSolv™ Limonene HF is slightly different than that of d-limonene.

Physical Data

Appearance:	Clear Liquid
Color (PtCo or APHA):	30 max. (colorless to very light amber)
Density (lb/gal @ 25°C):	7.09
Flash Point (°F, TCC).....	145
Freezing Point (°F):	<0
Odor:	mild citrus
pH of water solution:	N/A
Specific Gravity (25°C):.....	0.8521
VOC Content (g/liter @ 25°C):.....	852
Volatiles, % by Volume:	100%

Safety Data

NFPA Rating:	Health - 0 Flammability - 2 Reactivity - 0
HMS Rating:	Health - 2 Flammability - 2 Reactivity - 1 Personal Protective Equipment - C
Flash Point (TCC):	145°F (63°C)
Flammability Limits in Air	Lower 0.7% est'd, Upper 6.1% est'd

Environmental Data

VOC content, grams/liter:.....	852
LD ₅₀ (rat oral, mg/kg).....	>5000
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):	390
Proper Shipping Name (55 gal drums via ground):	Chemicals n.o.i, Not regulated
Proper Shipping Name (bulk):.....	Combustible Liquid n.o.s. (dipentene), 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.