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Product Data Sheet

T2 Labs Product Code: DPE

AlphaPure® Dipentene E

Last Revision: 25 May 2001

Description

AlphaPure® Dipentene E is an economical terpene hydrocarbon solvent for use in a variety of applications. It is ideally suited for incorporation into terpene-based cleaning agents when affordability and performance are concerns. It is used in pine oil blending, and in other similar applications where the pleasant pine odor is desirable. It is a superior solvent for oil-based coatings.

AlphaPure® Dipentene E is a pure pine oil dipentene. It is fully biodegradable, made 100% from natural terpenes, and is the most cost-effective dipentene solvent available.

Physical Data (Typical Properties)

Appearance:	Clear Liquid
Color:	Light Amber (ca. PtCo/APHA 50)
Density (lb/gal @ 25°C):	7.17
Evaporation Rate (n-BuAc=1.0):	0.12
Freezing Point (°F):	< -100
Initial Boiling Point (°C):	170 (338°F)
K _b value:	113
Molecular weight, avg.:	141
Odor:	Pine Dipentene
pH of water solution:	N/A
Solubility in Water (wt%):	0.13%
Specific Gravity (25°C):	0.8612
Terpene Alcohols, % by GC	0-5
Terpene Hydrocarbons, % by GC	80-90
Terpenes, Other, % by GC	10-20
Vapor Density (air=1.0):	4.7
Vapor Pressure (mmHg @20°C):	2.0
Viscosity, typical (cp):	1.5
Volatiles, % by Volume:	100

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):	ca. 118°F (48°C)
Autoignition Temp:	458°F (236°C) est'd
Flammability Limits in Air:	Lower 0.7% est'd, Upper 6.1% est'd

Environmental Data

VOC content, grams/liter:	861 (100%)
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):	Dipentene, 3, UN2052, 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.