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Product Data Sheet

T2 Labs Product Code: FLO

PlugFlo™ D

Last Revision: 25 Jun 2001

Description

PlugFlo™ D is a low-toxicity paraffin-dissolving solvent based on natural terpene hydrocarbons. It is used as a flow-restoring cleaning agent in petroleum piping systems. PlugFlo™ D is highly effective in removing deposits of wax and asphalt from the interior of drill pipe and oil transfer piping. It is completely miscible with all petroleum solvents, and insoluble in water. PlugFlo™ D is completely combustible and has a high btu value.

PlugFlo™ D has a flash point above 100°F making it safer to use than traditional solvents like xylene. It is compatible with all metals and most plastics/ elastomers. It is only slightly water soluble and will not alter the pH of aqueous mud systems. PlugFlo™ D is completely biodegradable, has a low VOC emissions rate, and has low mammalian toxicity (it is safe for human exposure).

Use Information

PlugFlo™ D is high-efficiency replacement for traditional solvents like xylene and d-limonene. It is desirable where low toxicity, high solvent performance, and higher flash point is required. Pump PlugFlo™ D slowly through metal piping systems to remove solid contaminants and improve flow and lower pressure drop.

Physical Data

Appearance:	Opaque Liquid
Color.....	Yellowish Liquid
Density (lb/gal @ 25/25°C):	7.18
Flash Point (°F, TCC).....	115
LD ₅₀ (rat oral), mg/kg.....	ca. 5000
NVR (non volatile Residue).....	<1%
Odor:	Pineaceous
Solubility in Water (wt%):	low
Specific Gravity (25/25°C):.....	0.863
VOC Content (g/liter @ 25°C):.....	863
Volatiles, % by Volume:	>99%

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):	115°F (46°C)
Flammability Limits in Air	Lower 0.7% est'd, Upper 6.1% est'd

Environmental Data

VOC content, grams/liter:.....	863
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):.....	Flammable Liquids n.o.s. (dipentene), 3, NA1993, III, Marine Pollutant.

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.