EPOCHEM®

Technical Data Sheet

D.M Diluent

DESCRIPTION

D.M Diluent (DM) is a VOC-exempt clear polar solvent having high boiling and flash points, a low order of toxicity and a mild ether-like odor. It is stable under most conditions and is not hydroscopic or corrosive. DM is particularly well suited for applications requiring a water white product or high purity. Examples would be cosmetic, electronics or where recycling of spent material will occur.

Epoxy Systems

In an epoxy system, D.M Diluent (DM) reduces the viscosity of the epoxy resin which renders it much easier to handle and acts as a scavenger for active hydrogen containing impurities such as alcohols, amines, carboxylic acids and water. Studies also shown that they do not drastically change the room temperature characteristics of the epoxy, but it does lower the glass transition temperature (Tg). DM also may accelerate the cure of epoxy systems resulting in shorter gel times, improved cured resin properties and greater elongation.

Auto Ignition Temperature(°F)	851
Density (Pounds per gallon) at 20°C (68°F)	10.0
Dielectric Constant, csu@ 25°C	64
Distillation @760mmHg IBP, min DP, min	 195 °C 253 °C
Evaporation Rate (BuA = 1)	<0.005
Flammability Limits (Lower/upper Vol. %)	1.7/32.5
Flash point GT(SETA)°C	130
Refractive Index@ 25°C (77°F)	1.419
Residue on ignition, wt. %, maxes.	0.01
Solubility @25 °C (% by wt.) DM in water Water in DM	 21 8
Specific Gravity@20/20 °C	1.203-1.210
Total Hansen Parameter (CGS)	13.3
Vapor pressure @25°C(77°F) (mmHg)	0.03
Viscosity (CPS) @25°C (77°F)	2.4