



FluoSolv[®] 72DA

Technical Information

Azeotropic Vapor-degreasing Solvent

Introduction

FluoSolv[®] 72DA is an azeotropic blend of hydrofluoroether methyl nonafluorobutyl ether, ethyl nonafluorobutyl ether, trans-1,2-dichloroethylene and isopropanol. This mixture of azeotropic components has been found to be consistent through most applications.

FluoSolv[®] 72DA has been created for electronic applications, as well as other precision cleaning jobs. It was generated to replace harmful HFC's, CFC's, HCFC's, nPB, and other chlorinated solvents.

The US Environmental Protection Agency has labeled all components as without restrictions.

Applications

NuGenTec FluoSolv[®] 72DA is recommended in arenas tending to vapor degreasing, and immersion cleaning. Further:

- Cleaning, rinsing and drying agents
- Cleaning of rosin solder flux residues, oils, greases, and waxes.

Material Compatibility

FluoSolv[®] 72DA is compatible with all metals, ceramic and other non-conducting materials. Most elastomeric materials are compatible except fluoroelastomers such as Viton & Kalrez which tend to swell. It is recommended that all materials be tested prior to use.

Compatible

Metals	Aluminum, Copper, Stainless Steel, Titanium, Tungsten
Elastomers	Neoprene, Butyl Rubber, EPDM, Kynar (PVDF)
Plastics	HDPE, PTFE, Nylon, PVC Epoxy, Phenolic

Additional testing required for plastics such as ABS, Acrylic, Polycarbonate and fluoroelastomers (Viton A & B & others)

Physical Properties

Property	NuGenTec FluoSolv® 72DA	AK-225	Freon® TE
Boiling Point °C [°F]	44	52	45
Density at 25°C (77°F)	1.27 g/mL	1.49	1.50
Surface Tension at 25°C (77°F) dyne/cm	18	16.8	17.7
Viscosity at 25°C (77°F), cPs	0.40	0.61	0.65
Vapor Pressure at 25°C (77°F) kPa	360	414	362
Global Warming Potential	43	400	5800
Ozone Depleting Chemical	0	0.03	0.77
Volatile Organic Compounds (VOC)	889 g/L	Exempt	-
KB Value	58	41	40

Storage, Packaging & Availability

FluoSolv® 72DA is thermally & chemically a very stable solvent. It is non-reactive, has low water solubility and will not oxidize or degrade when exposed to air or sunlight. Common industrial practice should be implemented for storage; keep away from human food source and extreme temperature conditions. Freezing temperatures will cause the drums to compress and hot conditions will balloon the drum. The product in any case is perfectly usable.

FluoSolv® 72DA is available in three package sizes

- 55-gal phenolic lined metal drums (net wt. 550)
- 5-gal phenolic lined pails (net wt. 52.5 lb.)
- 1-gal HDPE plastic bottles (net wt. 11 lb.)

For further information about FluoSolv® 72DA and purchasing please contact:

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