



FluoSolv[®] CAS

Technical Information

Non-VOC Vapor-degreasing Solvent

Introduction

FluoSolv[®] CAS is a non-VOC proprietary vapor-degreasing solvent blend. It does not contain trans-dichloroethylene, alcohol or hydrocarbons all of which are designated as volatile organic compounds (VOCs) by South Coast Air Quality Management District (SCAQMD).

FluoSolv[®] CAS has been certified by the SCAQMD as a Clean Air Solvent because it is a “zero-VOC” blend, making it an ideal choice for vapor degreasing solvent users in California for precision cleaning applications such as particulates, fingerprints and light oils & greases.

Please note that FluoSolv[®] CAS was previously sold under its R&D designation of FluoSolv[®] RD-0862.

User Benefits

NuGenTec FluoSolv[®] CAS is balanced to deliver performance, worker safety and desirable environmental properties.

- Non-ozone depleting chemical (ODC)
- Zero-VOC certification by SCAQMD
- High allowable exposure limit (AEL);
- Non-Flammable; Non-Hazardous
- Chemically stable; will not go acid

Material Compatibility

FluoSolv[®] CAS 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, S/S Titanium, BCASs, 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® CAS	Asahi AK-225	Honeywell Solstice®
Boiling Point °C [°F]	58-62 [137-143]	54 [129]	19 [66]
Density at 25°C (77°F) kg/liter [lb/gal]	1.38 [10.4]	1.55 [12.9]	1.27 [10.6]
Surface Tension at 25°C (77°F) dyne/cm	18.8	16.2	12.7
Viscosity at 25°C (77°F), cPs	0.49	0.59	0.53
Vapor Pressure at 25°C (77°F) kPa	32	38.5	152
Global Warming Potential	490	370	1
Ozone Depleting Chemical	No	Yes	No
Volatile Organic Compounds (VOC) g/l	0	0	0
Allowable Exposure Limit (AEL) ppm	200	100	800
KB Value	45	31	8

Storage, Packaging & Availability

FluoSolv® CAS 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® CAS 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® CAS and purchasing please contact Nugentec, 1155 Park Ave, Emeryville, CA 94608, Tel: 800-409-3142 fluosolv@nugentec.com