



FluoSolv[®] RA

Technical Information

Non-VOC Rinse Solvent

Introduction

FluoSolv[®] RA is a proprietary fluorinated blend formulated as a rinse agent for precision degreasing applications to remove particulates, fingerprints and light oils. FluoSolv[®] RA is a non-VOC solvent and an ideal replacement for AK-225 and similar vapor

User Benefits

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

- Non-ozone depleting chemical (ODC)
- No volatile organic chemicals (non-VOC)
- Low toxicity; high allowable exposure limit (AEL);
- Non-Flammable; Non-Hazardous
- Chemically stable; will not go acid

Material Compatibility

FluoSolv[®] RA 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, Brass, 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® RA	Asahi AK-225	Honeywell Solstice®
Boiling Point °C [°F]	40- 43[106]	54 [129]	19 [66]
Density at 25°C (77°F) kg/liter [lb/gal]	1.25 [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	0.47	0.59	0.53
Vapor Pressure at 25°C (77°F) kPa	70	38.5	152
Global Warming Potential	318	370	1
Ozone Depleting Chemical	No	Yes	No
Volatile Organic Compounds (VOC) g/l	0	0	0
Allowable Exposure Limit (AEL) ppm	950	100	800
KB Value	20-22	31	25

Storage, Packaging & Availability

FluoSolv® RA 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® RA is available in three package sizes

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

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