



FluoSolv[®]

Contact Cleaner Lubricant

3M Novec Contact Cleaner Lubricant

Technical Information

Contact Cleaner Lubricant

Introduction

FluoSolv[®] Contact Cleaner Lubricant is a non-flammable, high-performance cleaning solvent formulated as a direct replacement for 3M[™] Novec[™] Contact Cleaner/Lubricant. It provides effective removal of particulate, oils, and light contaminants while depositing a thin, durable lubricant layer designed to improve electrical contact performance and extend component life.

FluoSolv[®] Contact Cleaner Lubricant is safe for use on most plastics, elastomers, and metals, making it an excellent choice for precision cleaning and lubrication of sensitive electronics and electrical assemblies.

Material Compatibility

Extensive testing demonstrates that FluoSolv[®] Contact Cleaner Lubricant is compatible with:

- Metals: Stainless steel, Aluminum, Copper, brass
- Plastics: ABS, Nylon, Polycarbonate, HDPE, CDPE, C.E. Phenolic, PMMA*, POM, PP, PS, PTFE, and PVC. *May damage stressed acrylics. Test before use.
- Elastomers: Compatible with butyl rubber, Viton[™], fluoropolymer elastomers. Incompatible with silicone, fluoroelastomers, polyurethane.
- Sensitive Materials: Safe on most circuit board conformal coatings

Applications

FluoSolv[®] Contact Cleaner Lubricant is suited for:

- Electrical contacts and connectors
- Relays and switches
- Control panels and circuit boards
- Precision electronic assemblies
- Sensitive instrumentation

Key Features & Benefits

- Non-Flammable – safe for use in energized systems.
- Fast Drying – ensures minimal downtime after application.
- Effective Cleaning – removes oils, particulates, and light oxidation.
- Lubrication Performance – leaves behind a thin, non-migrating film to improve contact reliability.
- Wide Compatibility – suitable for use with most plastics, elastomers, and metals.
- Environmentally Responsible – zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).
- Drop-In Replacement – designed as a direct replacement for 3M[™] Novec[™] Contact Cleaner/Lubricant.

Physical Properties

Property	NuGenTec FluoSolv® Contact Cleaner Lubricant	HCFC 141b	HCFC-225
Boiling Point °C	51.1	32	54
Liquid Density (g/mL)	1.3746	1.23	1.55
Surface Tension (dynes/cm ²)	16	19.3	16.2
Solubility of Solvent in Water	7ppm	210	330
Vapor Pressure at 25°C	225.7 mmHg	569	290
Global Warming Potential (GWP)	105	700	180/160
Ozone Depleting Chemical	0	0.10	0.03
Volatile Organic Compounds (VOC)	15-25%	Exempt	-
Flash point	None	None	None

Free Solvent Sample and Vapor Degreaser for Testing

NuGenTec offers a small loaner vapor degreaser and a loaner 5-gallon pail to assist with your testing. The loaner vapor degreaser plugs into a standard wall outlet and fits on a standard pallet. This allows you to test our FluoSolv® solvent in your own controlled environment without immediately changing the solvent in your current equipment.

FluoSolv® Contact Cleaner Lubricant is available for purchase in three package sizes:

- 55-gal phenolic lined metal drums
- 5-gal phenolic lined pails
- 1-gal HDPE plastic bottles

For further information about FluoSolv® Contact Cleaner Lubricant for testing or purchasing please contact:

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