



BestSolv™ 71IPA

Non-Flammable Precision Cleaning Solvent

Technical Data Sheet

Features and Benefits

- Non-Flammable
- No Surface Residue
- Low Surface Tension
- Low Viscosity
- Extremely Low VOC content
- Low GWP
- Zero ODP
- No Flash Point

Cleaning Applications

- Light Oils
- Fingerprints
- Fluoro Lubes
- Fiber Optic Cables
- Light Particulates
- Ionic Soils
- Rinsing / Drying Agent

Industries Served

- Aerospace
- Military
- Electronic
- Semiconductor
- Optical
- Medical device



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Introduction

BestSolv™ 71IPA is a light precision cleaning and degreasing solvent with an azeotrope-like mixture of fluorinated solvents and isopropyl alcohol. It is an exact molecule replacement for the 3M™ Novec 71IPA and a direct substitute for solvents like nPB, Chemours Vertrel®, HCFC-225 and others. This solvent blend features of nonflammability, low surface tension, and stability allows for great performance in vapor degreasing equipment and general cleaning for polar and non-polar contaminant removal.

The alcohol / isopropanol in BestSolv™ 71IPA fluid aids in removal of ionic soils.

BestSolv™ 71IPA has low global warming potential (GWP), zero ozone depletion potential (ODP) and extremely low VOC content.

Physical and Chemical Properties

Boil Point	130.64° F (54.8°C)
Freeze Point°C	-42 ²
Liquid Density	1.48 g/mL
Vapor Pressure	207 mmHg @ 25°C
Surface Tension	14.5 dynes/cm
Viscosity	<=10 centipoise (@23°C)
Flashpoint (Closed / Open Cup)	None

Data compiled from published information. Not for specification purposes.

² Critical Solution Temperature





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Storage and Handling

BestSolv™ 71IPA fluid is characterized as having no closed cup flash point, or open cup flash point and no sustained burning per ASTM D4206-86 (<1 second) and is safe under normal operating conditions. BestSolv™ 71IPA is not classified as flammable by OSHA or DOT. This product has flame limits of 4.0% to 16.7%

BestSolv™ 71IPA is best stored inside a clean, dry area and out of direct sunlight or other heat sources. It is thermally stable and will not oxidize or degrade during storage under normal conditions. To prevent leakage or potential rupture of the container due to contraction / expansion and pressure changes, do not store below 32 °F (0 °C) or above 90 °F (32 °C)

Environmental Properties

- SNAP EPA accepted substitute for ozone depleting substances
- Not subject to SARA Title III (EPCRA) reporting regulation
- Non hazardous air pollutant (HAP) / Not regulated under NESHAP
- Low global warming potential (GWP)
- Low / zero ozone depletion potential (ODP)

Health and Safety

Reference the SDS for details on:

- Individual chemical components
- Disposal
- Transportation
- Regulatory requirements
- Other information

Materials Compatibility

BestSolv™ 71IPA is compatible with common metals, most alloys and some polymers / elastomers. Initial compatibility testing on non-production parts is recommended. Material compatibility should always be performed via testing with specific contaminants under process-specific cleaning conditions.

Product Use / Warranty

All information contained in this document is based on data believed to be reliable but the accuracy or completeness thereof is not guaranteed and are made without representation or warranty. Many factors can affect the use, performance, time and environmental conditions in a particular application. User is responsible for evaluation to determine whether it is fit for a particular purpose and application and products discussed are sold without warranty, expressed or implied, in law or fact.

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