



BestSolv™ 72DA

Non-Flammable Precision Cleaning Solvent

Technical Data Sheet

Features and Benefits

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

Cleaning Applications

- Cutting Oils
- Stamping Oils
- Hydraulic Oils
- Mineral Oils
- Vacuum Oils
- Rosin Solder Flux Residues
- PCBs
- Rinsing / Drying Agent

Industries Served

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



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Introduction

BestSolv™ 72DA is a precision cleaning and degreasing solvent with an azeotrope-like mixture of 1, 2 trans-dichloroethylene, fluorinated solvents and isopropyl alcohol. It is an exact molecule replacement for 3M™ Novec™ 72DA, and a direct substitute for solvents like n-propyl bromide (nPB), trichloroethylene (TCE) and Chemours Vertrel®. This solvent blend offers nonflammability, low surface tension, high solvency, stability, and a kB value greater than 58, enabling outstanding performance in vapor degreasing equipment and general cleaning to remove both polar and non-polar contaminants.

BestSolv™ 72DA has low global warming potential (GWP 43), and zero ozone depletion potential (ODP).

Physical and Chemical Properties

Boiling Point	111.2°F (44°C)
Freeze Point	-36.4°F (-38°C) ³
KB (Kauri-Butanol) Value	58
Liquid Density	1.27 g/ml
Vapor Pressure	360 mmHg @ 25°C
Surface Tension	18 dynes/cm
Viscosity	0.40 cps
Heat of Vaporization	60 cal/g @boiling point
VOC Content	889 g/L

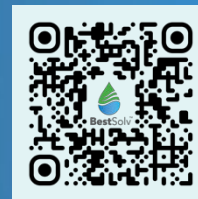
Data compiled from published information. Not for specification purposes.

³ Critical Solution Temperature



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Storage and Handling

BestSolv™ 72DA exhibits no flash point and is not classified as flammable by OSHA or DOT. As with almost all halogenated solvents, flammability limits exist in the presence of a high ignition energy source.

BestSolv™ 72DA 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 43)
- 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™ 72DA 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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