



# BestSolv™ Zeta

## Next Generation PFAS FREE Precision Cleaning Solvent

### Technical Data Sheet

#### Features and Benefits

- Non-Flammable
- No Surface Residue
- Low Surface Tension
- Low Viscosity
- GWP < 1
- 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™ Zeta is a next generation PFAS Free HFO/HCFO based precision cleaning and degreasing solvent. Formulated without HFE or HFCs and does not contain a fully fluorinated carbon atom allowing it to be PFAS free per EPA standards.

This solvent blend features nonflammability, low surface tension, high solvency, stability and relatively high KB of 44 (without any 1,2 trans-dichloroethylene). This allows for light duty performance in vapor degreasing equipment and general cleaning for polar and non-polar contaminant removal. For heavy duty cleaning performance, see BestSolv™ Omega.

Additional applications include serving as a carrier solvent for coating processes and as an aerosol cleaning solvent for industrial touch-up cleaning.

BestSolv™ Zeta has near zero global warming potential (<1), zero ozone depletion potential (ODP) and is a replacement for cleaning solvents such as some 3M™ Novec™ and Chemours Vertrel®.

#### Physical and Chemical Properties

Boiling Point	129°F (54°C)
KB (Kauri-Butanol) Value	44
Liquid Density	1.39 g/mL
Vapor Pressure	240 mmHg @ 25°C
Surface Tension	22 dynes/cm
Specific Heat	1.34 kJ/(kg-K) @ 25°C
Flashpoint (Closed / Open Cup)	None
VOC Designation	Exempt

Data compiled from published information. Not for specification purposes.



# BestSolv™ Zeta



## Storage and Handling

Based on Pensky-Martens Closed Cup (ASTM D93) or Tag Closed Cup (ASTM D56) methods, BestSolv™ Zeta exhibits no flash point and is not classified as flammable by OSHA or DOT.

BestSolv™ Zeta 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 <1)
- 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™ Zeta is compatible with common metals, most alloys and some polymers / elastomers. A full compatibility lab test chart is available upon request.

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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