



BestSolv™ Sierra

Non-Flammable Precision Cleaning Solvent

Technical Data Sheet

Features and Benefits

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

Applications

- Co-Solvent Cleaning
- Bi-Solvent Cleaning
- Deposition Carrier fluid
- Rinsing Agent

Introduction

BestSolv™ Sierra is a fluorinated solvent that is VOC exempt used in light cleaning or as a rinsing agent. BestSolv™ Sierra can be used as a co-solvent with heavy duty cleaning solvent blends. This solvent blend features of nonflammability, low surface tension, and stability allows for great light cleaning and rinsing performance in vapor degreasing equipment.

BestSolv Sierra has low global warming potential (GWP), zero ozone depletion potential (ODP) and is a replacement for 3M Novec® 7100, n-propyl bromide (nPB), trichloroethylene (TCE) and Chemours Vertrel®.

Industries Served

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



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Physical and Chemical Properties

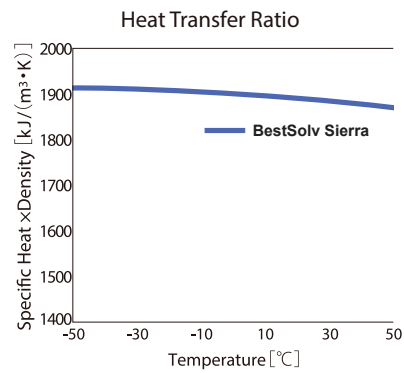
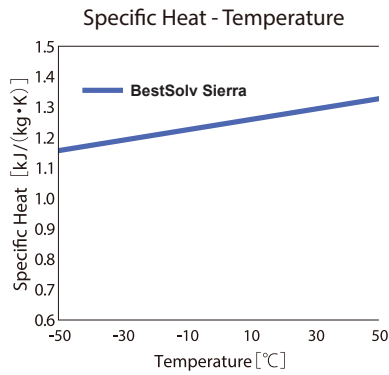
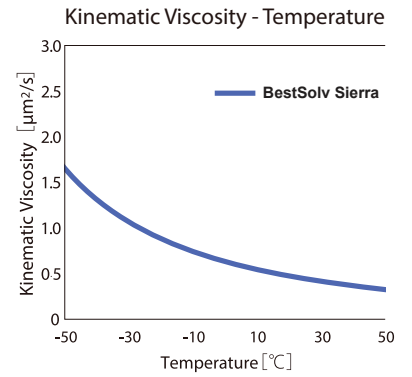
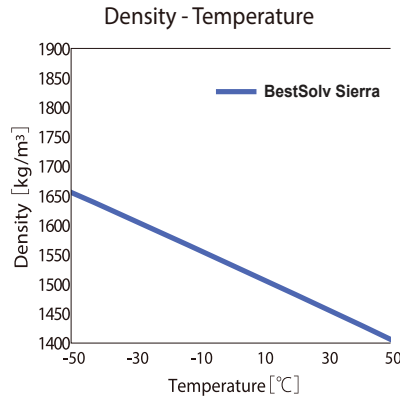
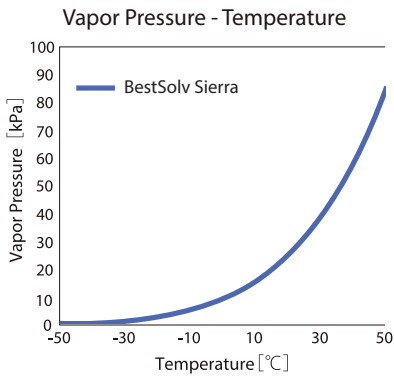
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|--------------------------|----------------|
| Boiling Point | 132° F (56°C) |
| KB (Kauri-Butanol) Value | 13 |
| Liquid Density | 1.47 g/mL |
| Vapor Pressure | 232mmHg @ 20°C |
| Specific Heat | 1.28 kJ/(kg-K) |
| Viscosity | 0.65 cP |
| VOC | Exempt |

Data compiled from published information. Not for specification purposes.

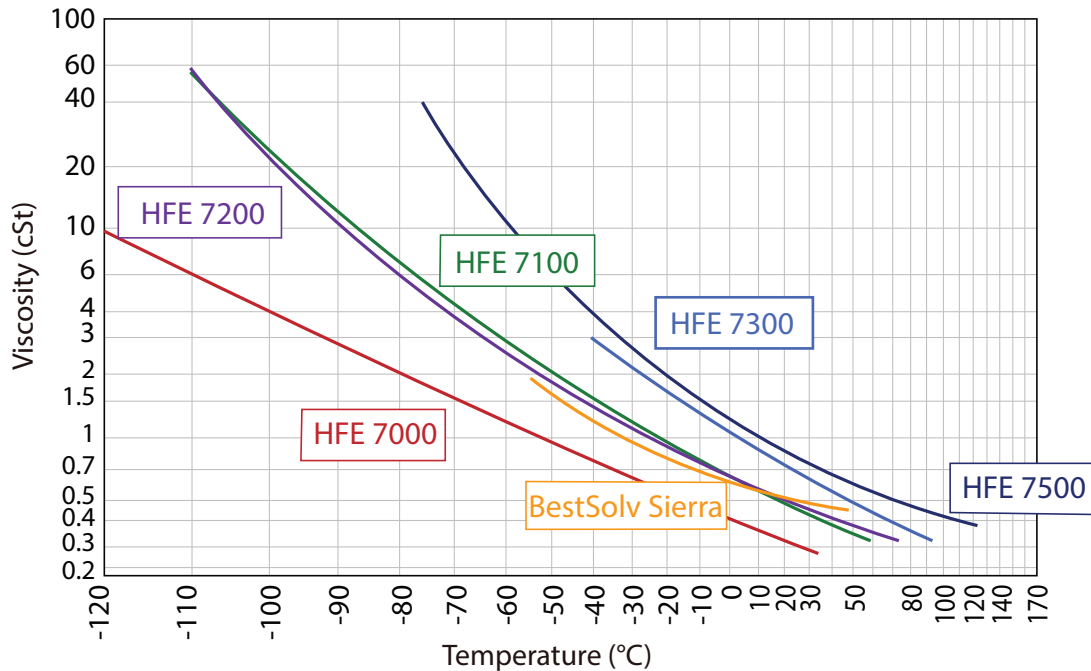




BestSolv™ Sierra



HFE Engineered Fluids Viscosity vs Temperature





BestSolv™ Sierra



Storage and Handling

Based on Pensky-Martens Closed Cup (ASTM D93) or Tag Closed Cup (ASTM D56) methods, BestSolv Sierra 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 Sierra 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 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.

We shall not be liable for any injury, loss or damage direct or consequential regardless of the legal theory asserted, including warranty, contract, negligence or strict liability arising out of use or the inability to use the product. If the product is defective within the warranty period, your exclusive remedy and seller's sole obligation will be, at seller's option, to replace the product or refund the purchase price.