

## **BARREL FLUORO FLUID E-B SERIES**

BARREL FLUORO FLUID E-B Series are colorless, clear, inert, non-flammable liquids with a hydrofluoroether structure.

This nonflammable liquid has moderate solubility and compatibility with various materials, and are used for cleaning instead of chlorine-based solvents, which are highly toxic and have a high adverse effect on the environment, and fluorine-based solvents, which have a high global warming potential. It can also be used as cooling medium liquids in the ultra-low temperature range due to its excellent low-temperature fluidity.

### 1. Features

- (1) It is a chlorine-free, inert liquid that is non-flammable.
- (2) It has zero ozone depletion potential and low global warming potential.
- (3) It has moderate solubility and does not affect metal, rubber, plastic, etc.
- (4) Low surface tension and high permeability.
- (5) Excellent low-temperature fluidity.
- (6) Low water solubility.
- (7) Thermally and chemically stable, does not form peroxides.

### 2. Typical properties

Property	BARREL FLUORO FLUID	
	E-60B	E-80B
Chemical Formula	C <sub>4</sub> F <sub>9</sub> OCH <sub>3</sub>	C <sub>4</sub> F <sub>9</sub> OC <sub>2</sub> H <sub>5</sub>
Boiling Point °C	61	76
Density 25°C kg/cm <sup>3</sup>	1,528	1,430
Flash Point (COC) °C	None	None
Kinematic Viscosity 25°C mm <sup>2</sup> /s	0.49	0.48
Freezing Point °C	-102	-121
Surface Tension 25°C mN/m	13.6	13.6
Water Solubility ppm(mass)	94	86
GWP(CO <sub>2</sub> =1 ,100year)	272	73

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- Company product information does not constitute a warranty that products are compatible with a specific or individual machine, equipment article, or application.
- When using this product, be sure to test it beforehand at your company to confirm that it meets the conditions of use. The applications described herein are not guaranteed to be free from any patent infringement.
- Our fluorine products have been developed and manufactured for general industrial applications. If you wish to use our products in a special application, please test them beforehand and confirm their safety before use. Do not use this product for medical or implant applications.
- When using this product, please confirm the precautions for handling and storage, first aid, disposal, and other precautions in the Safety Data Sheet (SDS).
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