

Fluorinated liquid DAISAVE SS-54

 TECHNICAL
DATASHEET

DAISAVE SS-54 is a fluorinated liquid with low global warming potential (GWP).

Overview

- DAISAVE SS-54 is a hydrofluoroether (HFE)
- Low global warming potential (GWP) and zero ozone depletion potential (ODP)
- No flash point
- Quick-drying and easy to handle
- Equal thermal stability as HFCs, stabler than HFOs

General physical properties

Items	Unit	Value
Boiling Point	°C	54
Freezing Point	°C	-92
Flash Point	°C	None
Liquid Density	g/mL	1.39
Surface Tension [23 °C]	mN/m	16.2
Kinematic Viscosity	cSt	0.40
Water Solubility [21°C]	ppm	630
Global Warming Potential (GWP)	-	101
Repeated Dose Inhalation Toxicity (28 days)	ppm	20,000
Specific Heat	kJ/kgK	1.31
Thermal Conductivity [25°C]	W/mK	0.081
Coefficient of Expansion	m ³ /m ³ K	0.00170
Dielectric Strength [2.5mmgap]	kV	26
Dielectric Constant [1kHz]	-	8.9
Volume Resistivity [DC10V, 23°C]	Ωm	10 ⁷
Kauri-butanol Value	-	16

* The above physical properties are representative and not guaranteed.

* All physical property values @25°C unless otherwise specified.

Material Compatibility

Various types of plastics, elastomers and metals were exposed for one week at room temperature. Following materials are compatible.

- Plastics
ABS, AS, Epoxy glass, PA6, PA66, PBT, PC, PE, PET, PF, POM, PP, PPE, PPS, PS, PVC, PTFE
- Elastomers
Chloroprene rubber, Chlorosulfonated polyethylene, Nitrile Rubber, EPDM, Butyl rubber, Natural rubber
- Metals
Magnesium, Aluminum, Titanium, Iron, Nickel, Copper, Zinc, Molybdenum, Silver, Tin, Tantalum, Tungsten, Lead, Brass, SUS 304, SUS 316

Examples of applications

- Cleaning
Precision cleaning of electronic components, removal of particulates and light crude oil, cleaning of fluorinated oil
- Dilution solvent
Lubricant solvent, reaction solvent
- Heat transfer fluid
Coolant liquid for semiconductor, heat pipe & heat pump fluid

Safety information

- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.

Packing specification

- 250 kg
- 15 kg

For more information, visit our website.

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