

## 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/cm <sup>3</sup>	1.39
Surface Tension	mN/m	15.7
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/(kg · K)	1.31
Thermal Conductivity [25°C]	W/m · K	0.081
Coefficient of Expansion	m <sup>3</sup> /m <sup>3</sup> K	0.00170
Dielectric Strength [2.5mmgap]	kV	26
Dielectric Constant [1kHz]	-	8.9
Volume Resistivity [DC10V, 23°C]	Ωm	10 <sup>7</sup>
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, FEP, PFA
- 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.

**DAIKIN INDUSTRIES, LTD.**

<https://www.daikinchemicals.com/>

tds-ss-54-E\_ver02\_May\_2025  
Copyright (C) DAIKIN INDUSTRIES, LTD., 2025