

## 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

### Physical Properties

Item	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 <sup>3</sup> / m <sup>3</sup> K	0.00170
Dielectric strength (2.5 mmgap)	kV	26
Dielectric constant (1 kHz)	-	8.9
Volume resistivity (DC 10V, 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

- **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

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