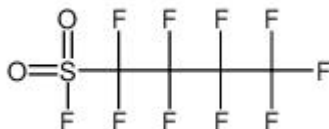


FC-049 (CAS 375-72-4) Nonafluorobutanesulfonyl fluoride**BASIC
INFORMATION**

Cas: 375-72-4
Name: Nonfluorobutanesulfonyl fluoride,
1,1,2,2,3,3,4,4,4-Nonfluorobutane-1-sulfonyl
fluoride;Nonfluorobutanesulfonyl
Fluoride;Nonfluoro-1-butanesulfonyl
Fluoride;Perfluoro-1-butanesulfonyl Fluoride;
Molecular formula: C₄F₁₀O₂S
Molecular weight: 302.09100
PSA: 42.52000
LOGP: 3.79220

**PHYSICAL
INDEX**

Appearance and properties: transparent colorless or slightly
yellow liquid
Density: 1.716 g/mL at 20 ° C(lit.)
Boiling point: 64 ° C(lit.)
Melting point: -110 ° C
Flash point: 65-66 ° C
Refractive index: n₂₀/D 1.3(lit.)

**SECURITY
INFORMATION**

Safety instructions: S26-S36/37/39-S45-S25
WGK Germany: 3
Hazard category code: R34
Customs code: 2942000000
Dangerous goods transport code: UN 3265 8/PG 2
Hazard category: 8
Packing level: II
Dangerous goods mark: C

PRODUCTION**METHODS AND****APPLICATION**

use

The structure and properties of this product are similar to perfluorooctane sulfonyl fluoride, and it can be used to synthesize a variety of fluorine-containing special surfactants. It is used to synthesize fluorocarbon surfactants, fluorine-containing pesticides, dyes, polycarbonate processing dispersants, and it is also the best flame retardant for polycarbonate.
