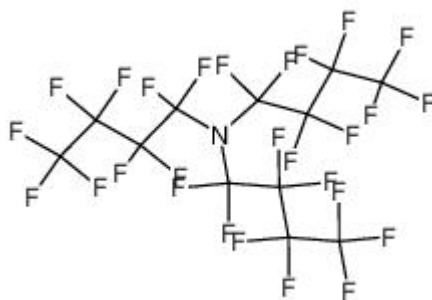


FC-053 (CAS 311-89-7) perfluorotributylamine**BASIC
INFORMATION**

cas: 311-89-7

Name: perfluorotributylamine, Tri(perfluorobutyl)amine;
tri(1,1,2,2,3,3,4,4,4-nonafluorobutyl)amine; Tri(nonafluorobutyl)amine; Fluosol 43; PFTBA; Perfluorotributylamine; 1-Butanamine, 1,1,2,2,3,3,4,4,4-nonafluoro-N,N-bis(nonafluorobutyl)-; 1,1,2,2,3,3,4,4,4-nonafluoro-N,N-bis(1,1,2,2,3,3,4,4,4-nonafluorobutyl)butan-1-amine; PFTBA, Perfluorotributylamine; nonafluoro tributylamine; Fluorocarbon FC43; HEPTACOSAFLUOROTRIBUTYLAMINE; Tris(nonafluorobutyl)amine; Perfluoro-compound FC-43 § 3; Tris(perfluorobutyl)amine;

Molecular formula: C₁₂F₂₇N

Molecular weight: 671.09200

PSA: 3.24000

LOGP: 8.56550

**PHYSICAL
INDEX**

Appearance and properties: transparent colorless liquid

Density: 1.883 g/mL at 25 ° C (lit.)

Boiling point: 178 ° C (lit.)

Melting point: -52 ° C

Freezing point: -60 ° C

Flash point: None

Refractive index: n₂₀/D 1.3

Water solubility: insoluble

Stability: Stable under normal temperatures and pressures.

Storage conditions: 2-8 ° C

Steam density: 23.3 (vs air)

Vapor pressure: 1.3 mm Hg (25 ° C)

SECURITY**INFORMATION**

RTECS number: YA1000000

Safety instructions: S26-S36

Hazard category code: R36/37/38

WGK Germany: 2

Dangerous goods mark: Xi

production method

From tributylamine and hydrogen fluoride through electrolytic fluorination. The electrolysis product is washed with water, alkali washed, dried, and rectified to obtain a finished product.

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

use

1. Anti-corrosion isolation of instruments and meters, transmission fluid. 2. Dielectric insulating liquid 3. Chemical reaction stable diluent or special solvent, solvent. 4. Heat conduction heat coolant, can be used in transformers, especially as small transformer oil in high-rise buildings. 5. Anti-oxidant lubricant. 6. Fluorocarbon emulsion artificial blood. 7. Electronic components and devices
