

Identification

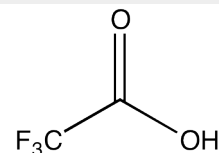
CF₃COOH

M = 114,02 g/mol

CAS [76-05-1]

EC number: 200-929-3

Taric code: 2915 90 70


Synonyms

Perfluoroacetic acid, TFA

Specifications

assay (acidimetric).....	min. 99 %	sodium (Na).....	max. 0,5 ppm
aluminium (Al).....	max. 0,05 ppm	strontium (Sr)	max. 0,02 ppm
barium (Ba).....	max. 0,05 ppm	thallium (Tl).....	max. 0,05 ppm
cadmium (Cd).....	max. 0,05 ppm	zinc (Zn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,2 ppm	water (K.F.).....	max. 0,05 %
chromium (Cr).....	max. 0,05 ppm		
cobalt (Co).....	max. 0,02 ppm	suitability for use in LC-MS.....	passes test
copper (Cu).....	max. 0,02 ppm		
iron (Fe).....	max. 0,2 ppm	min. transmission/max. absorbance in a 1,0 cm cell at	
lead (Pb).....	max. 0,1 ppm	wavelength:.....	A (AU)
lithium (Li).....	max. 0,02 ppm	260 nm.....	0,90 AU
magnesium (Mg).....	max. 0,5 ppm	270 nm.....	0,10 AU
manganese (Mn).....	max. 0,05 ppm	280 nm.....	0,05 AU
molybdenum (Mo).....	max. 0,02 ppm	290 nm.....	0,04 AU
nickel (Ni).....	max. 0,05 ppm	300 nm.....	0,03 AU
potassium (K).....	max. 0,1 ppm	320 nm.....	0,025 AU

Physical data

- Density: 1,48 g/cm³
- Solub. in water: (20 °C): freely miscible
- Melting point: -15 °C
- Boiling point: 72 °C
- Vapour pressure: (20 °C) 11 hPa
- Viscosity: (20 °C) 0,91 mPas
- Dielectric const.: (25 °C) 42,1
- Evap. heat: (72 °C) 292 KJ/kg
- pH(20 °C) < 1
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.
H412: Harmful to aquatic life with long lasting effects.


Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C3 I • UN 2699 • TRIFLUOROACETIC ACID
- IMDG: 8 I • UN 2699 • TRIFLUOROACETIC ACID
- IATA/ICAO: 8 I • UN 2699 • TRIFLUOROACETIC ACID
- PAX: 807
- CAO: 809
- 10°C - 30°C