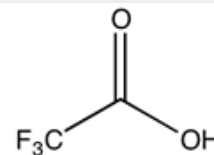


Trifluoroacetic acid, peptide synthesis grade

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

Applications

analytical chemistry, for nuclear magnetic resonance spectroscopy.

Specifications

assay (acidimetric).....	min. 99,5 %	fluorides (F).....	max. 0,005 %
identity (IR-spectrum).....	passes test	sulfates (SO ₄).....	max. 0,001 %
density (20°/4°).....	1,487 - 1,489	residue on ignition (as SO ₄).....	max. 0,001 %
chlorides (Cl).....	max. 0,001 %	water (K.F.).....	max. 0,05 %

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