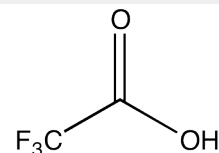


**Identification**

CF<sub>3</sub>COOH  
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 % | 260 nm..... | 0,9 AU   |
| gradient elution.....                                 | passes test | 270 nm..... | 0,1 AU   |
| water (K.F.).....                                     | max. 0,05 % | 280 nm..... | 0,05 AU  |
| min. transmission/max. absorbance in a 1,0 cm cell at |             | 290 nm..... | 0,04 AU  |
| wavelength:.....                                      | absorbance: | 300 nm..... | 0,03 AU  |
|                                                       |             | 320 nm..... | 0,025 AU |

**Physical data**

- Density: 1,48 g/cm<sup>3</sup>
- 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