

TRIETHYLENE GLYCOL

TR0240 Triethylene glycol, EssentQ®



- Synonyms: Triglycol
- $C_6H_{14}O_4$
- $M = 150,18 \text{ g/mol}$
- CAS [112-27-6]
- EINECS-No.: 203-953-2
- Density: $1,12 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: -7 °C
- Boiling point: $286 - 288 \text{ °C}$
- Flash pt. 165 °C
- Ignition temp.: 370 °C
- Vapour pressure: (20 °C) $0,01 \text{ hPa}$
- Refraction index: (n 20 °C/D) $1,4559$
- Dielectric const.: (20 °C) 24
- LD 50 (oral, rat): 17000 mg/kg
- Tariff number: $2909 \ 49 \ 19 \ 90$
- Applications: synthesis of organic products, laboratory reagent, in the plastics industry, disinfectant (air).

assay (G.C.) min. 99 %
 identity (IR-spectrum) passes test
 density (20°/4°) $1,123 - 1,124$
 water (K.F.) max. $0,3 \%$

ART. NO.	VOLUME	CONTAINER
TR02401000	1 l	0

TRIETHYLENETETRAMINE

TR0260 Triethylenetetramine, EssentQ®

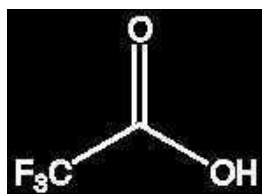


- Synonyms: N,N'-Bis(2-aminoethyl)-1,2-ethanediamine
- $C_6H_{16}N_4$
- $M = 146,24 \text{ g/mol}$
- CAS [112-24-3]
- EINECS-No.: 203-950-6
- Density: $0,98 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: 12 °C
- Boiling point: (13 hPa) $144 - 147 \text{ °C}$
- Flash pt. 129 °C
- Ignition temp.: 335 °C
- Vapour pressure: (20 °C) $< 0,01 \text{ hPa}$
- Refraction index: (n 20 °C/D) $1,4971$
- LD 50 (oral, rat): 2500 mg/kg
- EC-Index-No.: 612-059-00-5
- ADR: 8 C7 II UN 2259
- IMDG: 8 II UN 2259
- IATA/ICAO: 8 II UN 2259
- GHS-signal word: Danger
- GHS-H sentences: H314 - H312 - H317 - H412
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: $2921 \ 29 \ 00 \ 90$
- Applications: synthesis of organic products, manufacturing of synthetic resins, in lubricant compositions, analytical chemistry, for the detection of: copper and nickel.

assay (G.C.) min. 60 %
 identity (IR-spectrum) passes test
 density (20°/4°) $0,977 - 0,982$

ART. NO.	VOLUME	CONTAINER
TR02600250	250 ml	0

TRIFLUOROACETIC ACID



- Synonyms: Perfluoroacetic acid, TFA
- CF_3COOH
- $M = 114,02 \text{ g/mol}$
- CAS [76-05-1]
- EINECS-No.: 200-929-3
- Density: $1,48 \text{ g/cm}^3$
- Solub. in water: (20 °C): freely miscible
- Melting point: -15 °C
- Boiling point: 72 °C
- Vapour pressure: (20 °C) 11 hPa
- Dielectric const.: (25 °C) $42,1$

- EC-Index-No.: 607-091-00-1
- ADR: 8 C3 I UN 2699
- IMDG: 8 I UN 2699
- IATA/ICAO: 8 I UN 2699
- GHS-signal word: Danger
- GHS-H sentences: H314 - H332 - H412
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: $2915 \ 90 \ 70 \ 90$
- Applications: analytical chemistry, for nuclear magnetic resonance spectroscopy.