

Acetonitrile

Grade: HPLC

C₂H₃N

M=41.05 g/mol

1L=0.786 Kg

Specification

Assay (GC)..... ≥99.9%
Identity (IR)..... passes test
Density (d 20°C/4°C).....0.782-0.783 g/cm³
Acidity.....≤0.02%
evaporation residue..... 0.01%
water..... 0.02%
Melting point.....-46°C
Boiling point.....81°C

Transmission
- at 193 nm.....68%
- at 195 nm.....80%
- from 230 nm.....98%
Filtered by 0.2 µm filter

Technical data

- CAS-No. 75-05-8
- EC-No. 200-835-2
- Refractive index 1.3442 (20 C, 585 nm)
- Vapour pressure 97 hpa (20 C)
- Spec. density 0.786 g/cm³ (20 C)
- Explosive limit 3.0 – 17 Vol%
- Flash point 2 C o.c.
- Solub. In H₂O (20 C) soluble
- M = 41.05 g/mol
- Melting point -45.7 C
- Boiling point 81.6 C (1013 hPa)
- Ignition temp. 524 C
- Highly flammable, harmful, irritant
- R 11-20/21/22-36
- S 16-36/37
- RTECS AL7700000
- Poison class (CH) 2
WGK 2
- LD 50 oral rat 2730 – 3800 mg/Kg
- LD 50 dermal rabbit 988 mg/Kg
- EC-Index-No. 608-001-00-3
- HS-No. 2926 90 95
- LGK 3 A
- Pack. –cat. B
- Disposal 1
- Road/Rail 3/F 1 II
- IMDG-Code 3/II UN 1648
- IATA-DGR UN 1648 CAO 307 PA
X 305
- Merckblatt BG Chemie Nr . M017
,M004,M050

Guidelines of usage & storage

- Highly flammable.
- Harmful by inhalation, in contact with skin and if swallowed.
- Irritating to eyes.
- keep away from sources of ignition – No smoking.
- Wear suitable protective clothing and gloves.

Symbol



Packaging

Glass Bottles

1 Liter
2.5 Liter

Plastic Bottles

Plastic Gallon

Bulk
Inquire