

Acetonitrile

CAS	Hill Formula	Chemical Formula	Molar Mass
75-05-8	C ₂ H ₃ N	CH ₃ CN	41.05 g/mole

Catalogue	Packing
100003	Glass Bottle (liter), Plastic Bottle (gr, kg)
100004	Glass Bottle (liter), Plastic Bottle (gr, kg)
100017	Glass Bottle (liter), Plastic Bottle (gr, kg)
100030	Glass Bottle (liter), Plastic Bottle (gr, kg)
115500	Glass Bottle (liter), Plastic Bottle (gr, kg)

Description	
Synonyms	ACN, Methyl cyanide, Ethyl nitrile, Cyanomethane

Product Information	
Structure formula image	$\text{H}_3\text{C} \text{---} \equiv \text{N}$

Physicochemical Information	
Boiling point	81.6 °C
Melting point	- 45.7 °C
Density	0.786 g/cm ³
Solubility	In H ₂ O (20°C) soluble

Toxicological Information	
LD50 oral	LD50 rat 2730-3800 mg/kg

Safety Information according to GHS	
Hazard Pictogram(s)	H225: Highly flammable liquid and vapour. H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled. H319: Causes serious eye irritation.
Precautionary Statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
Signal Word	Danger
Storage class	3 Flammable liquids

Safety Information	
Categories of danger	highly flammable, harmful, irritant