



PRODUCT SPECIFICATION

September 2013

Product: Acetonitrile (High Purity)

Formula: CH₃CN

CAS No: 75-05-8

UN No: 1648

QUALITY SPECIFICATIONS

Acetonitrile	99.9% min
Acrylonitrile	25 ppm max
Propionitrile	630 ppm max
Acetone	5 ppm max
Hydrocyanic Acid (HCN)	10 ppm max
Acidity (as CH ₃ COOH, %wt)	0.005% max
Free Ammonia	6 ppm max
Allyl Alcohol	30 ppm max
Residue after evaporation	10 ppm max
Moisture Content (as H ₂ O)	0.03% max
Iron/Copper	0.5 ppm max
Color	10 APHA/Pt-Co max

PHYSICAL PROPERTIES

Appearance	Colorless, limpid liquid with ethereal like odor. Poisonous
Specific Gravity (at 20/20°C)	0.780 – 0.785
Boiling Point	178.9°F (81.6°C)
Freezing Point	-50.3°F (-45.7°C)
Flash Point	41.9°F (5.5°C)
Solubility	Highly soluble in water and alcohol

PACKAGING

160 kg (353 lbs) iron drums, 80 drums/FCL	
ISO Container	

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