



Acetonitrile

Formula	CH ₃ CN
Molecular Weight	41.05
Physical Properties	<ul style="list-style-type: none">• Description: Colorless, limpid liquid with ethereal like odor, poisonous!• Appearance: Clear and free from suspended matter liquid.• Sp. gr. at 20/20°C: 0.782—0.785• Freezing point: -45.7°C• Boiling point: 81.6°C• Vapor pressure at 20°C: 73mmHg• Flash point: 5.5°C• Solubility: Highly soluble in water and alcohol.
Specifications	<ul style="list-style-type: none">• Acetonitrile: 99.9% Min.• Acrylonitrile: 5 ppm Max.• Acetone: 5 ppm Max.• Hydrocyanic acid: 10 ppm Max.• Free ammonia: 6 ppm Max.• Moisture: 0.05% Max.• Allyl Alcohol: 5 ppm Max.• Propionitrile: 500 ppm Max.• Evaporation Residue: 0.001% Max.• Acidity(as Acetic Acid): 0.005% Max.• Iron/Copper: 0.3 ppm Max.• Color (APHAPt/Co): 10
Applications	<ul style="list-style-type: none">• In organic synthesis of vitamin B₁, sulfa pyrimidine and other pharmaceuticals intermediates.• In petroleum processing industry.• Specialized solvent especially for extractive distillation, recrystallation, Spinning solvents, etc.• In chemical manufacturing for the preparation of chloroacetonitrile, triacetamide, triazines, etc.• In fat and oil processing as a separating solvent.
Characteristics	<ul style="list-style-type: none">• Volatile, inflammable liquid and explosive vapor.• This material is a moderately toxic liquids.
Safety Precaution	<ul style="list-style-type: none">• Must be stored in a sufficient exhaust ventilation area.• Avoid breathing vapors.• Any contact may cause skin irritation.• Keep away from fire.
Packing Transportation	<ul style="list-style-type: none">• Packed in 53 gal iron drum. 24M³ ISO-Container or in bulk. IMDG CODE CLASS 3.2, UN No. 1648 All statements and information in this data-sheet are believed to be accurate and reliable. Any recommendation or suggestions are made without guaranty or warranty since the conditions of use are beyond our control.

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