

TECHNICAL DATA SHEET

NAME OF COMMODITY: Acetonitrile

CAS NO.: 75-05-8

MOLECULAR FORMULA: C_2H_3N

MOLECULAR WEIGHT: 41.05

STRUCTURE FORMULA:



TESTS	SPECIFICATIONS
Appearance	Clear colorless liquid
Purity	99.9% min
Water	500 ppm max
HCN	5 ppm max
Propionitrile	600 ppm max
Acrylonitrile	3 ppm max
Color	10 apha max
Copper	0.5 ppm max
Iron	0.5 ppm max
Density @ 20°C	0.78 - 0.785
Acidity as Acetic Acid	0.05% max
Distillation Range	80.5 - 82.5°C
Free Ammonia	6 ppm max
Non-Volatile Matter %	10 ppm max

APPLICATION:

The main purpose is used as solvent. Such as solvents of extracting butadiene, synthetic fibers and some special paint. Used in the oil industry to remove tar and phenol from petroleum hydrocarbons. It can be used as solvent of extracting fatty acid from animal and plant oil sources, as a reaction medium of recrystallization of steroidal medicine in medicine industry. The binary azeotrope of acetonitrile and water always can be used as polar solvent of high k which contains acetonitrile 84%, azeotropic temperature is 76°C. It also is the intermediates of medicine (vitamin B1) and spices, raw materials of thiazine nitrogen fertilizer synergist, denaturant of alcohol. Besides, it can be used for synthesizing ethylamine and acetic acid, in textile dyeing industry and simply lighting industry.

PACKING: net 150kg Drums; 12mt / 20' fcl, Palletized