



# FORMOSA PLASTICS CORPORATION

FORMOSA PLASTICS CORPORATION  
Chemicals Division

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Formula → CH<sub>3</sub>CN

Molecular Weight → 41.1

## Specifications

- Acetonitrile : 99.9wt% Min.
- Acidity(as Acetic Acid) : 50 ppm Max.
- Acrylonitrile : 3 ppm Max.
- Acetone : 5 ppm Max.
- Hydrocyanic acid : 10 ppm Max.
- Free ammonia : 6 ppm Max.
- Moisture : 0.05wt% Max.
- Iron/Copper : 0.1 ppm Max.
- Color (APHA-Pt/Co) : 10
- Propionitrile : 300 ppm Max.
- Allyl Alcohol : 30 ppm Max.
- Specific Gravity (20°C/20°C) : 0.782~0.785
- Boiling Range (Distillation Range) : 80°C~82°C

## Physical Properties

- Description : Colorless, limpid liquid with ethereal like odor, poisonous !
- Appearance : Clear and free from
- pH , @5% aqueous solution : 6.0—7.5
- 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.
- Odor : Ether odor.

## Application

- In petroleum processing industry.
- Specialized solvent especially for extractive distillation, recrystallation, spinning solvent, etc.
- In chemical manufacturing for the preparation etc.
- In fat and oil processing as a separating solvent.
- In organic synthesis of Vitamin B<sub>1</sub>, Sulfa pyrimidine and other pharmaceuticals intermediates.

## Characteristics

- Volatile, inflammable liquid and explosive vapor.
- This material is a moderately toxic liquids.
- Stable under ordinary conditions of use and storage.

## Safety Precaution

- Must be stored in a sufficient exhaust ventilation area.
- Avoid breathing vapors.
- Any contact may cause skin irritation.
- Keep away from fire.
- Flush with plenty of water for at least 15 min.

**Packing** → • Packed in 53 gal iron drum. 24M<sup>3</sup> ISO-Container.

All statements and information in this data-sheet are believed to be accurate and reliable. Any recommendations or suggestions are made without guaranty or warranty since the conditions of use are beyond our control.