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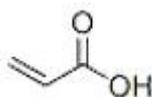
Technical Data Sheet

Acrylic acid

Product Information

Chemical Name Acrylic acid

Chemical structure



CAS # 79-10-7

EINECS 201-177-9

Formula C₃H₄O₂

Molecular Weight 72.06

Synonyms Organic acids;omega-Functional Alkanols, Carboxylic Acids, Amines & Halides;omega-Unsaturated Carboxylic Acids;Acrylic Acids and Salts;Acrylic Monomers;Monomers

Description

Colorless transparent liquid.Stimulating odor.Soluble in water, ethanol and ether.

Physical Properties

Melting point 13 °C(lit.)

Boiling point 139 °C(lit.)

Density 1.051 g/mL at 25 °C(lit.)

Vapor density 2.5 vs air

Vapor pressure 4 mm Hg (20 °C)

Refractive index n₂₀ / D 1.421

Flash point to 130 F

Storage conditions 15 to 25 °C

stability Unstable. Incompatible with strong oxidizing agents, strong bases, amines. Contact with oxidizers may cause fire. Light and air sensitive. Hygroscopic.

Specification

Acrylic acid 99.5%

Items	Specification
Appearance	Colorless transparent liquid
Purity, %	≥ 99.5
Color (Pt-Co)	≤ 20
Acetic Acid, %	≤ 0.1
Water, %	≤ 0.2
Inhibitor as MEHQ, ppm	200± 20

Glacial Acrylic acid 99.9%

Items	Specification
Appearance	Colorless transparent liquid
Purity, %	≥ 99.9
Color (Pt-Co)	≤ 20
Total Aldehydes,ppm	≤ 10
Water, %	≤ 0.15
Inhibitor as MEHQ, ppm	200± 20

Applications

Acrylic Acid is widely used in coating, synthetic rubber, adhesives, thickeners, super absorbent compounds, acrylic ester, polymer electrolytes.

-- Acrylic Acid is used to produce copolymerization monomer butyl acrylate, ethyl ester and other esters, which mostly used in water soluble coatings and adhesives, etc.

-- Acrylic Acid is used in coating acrylic products, building materials, textile, cement, paper making, leather processing and plastic modification industry, etc.

-- Glacial Acrylic Acid is mostly used in the production of super absorbent resin.

-- Glacial Acrylic Acid is also used to manufacture Acrylic ester, adhesive, coating, textile auxiliaries, chemical additives, water treatment, paper making, etc.

Packaging

1) 200 kg per plastic drum

Total 80 drums 16 MT per 20ft container.

2) ISO TANK.,Total 20 MT per TANK

Safety & Storage & Handling

Stored in cool and airy place; away from fire and heat; handle with care;no breakage, avoid leakage.

It is valid for 1 year under proper condition.

Acrylic Acid is classified as Dangerous Good for transport (UN 2218, Class 8, Packing group II)

Please refer to MSDS for more information about Safety, Storage and Transportation.