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from local roots to global routes

Technical Data Sheet
Mono Chloro Acetic Acid

Product Identification

Product Name : Mono Chloro Acetic Acid
Chemical Name : Monochloroacetic Acid
Synonyms : Chloroacetic Acid, MCA
CAS No : 79-11-8
Chemical Formula : $C_2H_3ClO_2$

Product Description

Mono Chloro Acetic Acid (MCAA) is a highly reactive chlorinated organic acid widely used as an intermediate in the manufacture of agrochemicals, pharmaceuticals, carboxymethyl cellulose (CMC), surfactants, dyes, and specialty chemicals. It is supplied as a high-purity white crystalline solid with excellent chemical reactivity and process performance.

Specifications

Sr No.	Parameters	Specification
01	Appearance	White Crystalline Solid
02	Purity (MCAA)	≥99.0%
03	Monochloro Acetic Acid Content	≥99.0%
04	Dichloroacetic Acid	≤0.50%
05	Acetic Acid	≤0.50%
06	Moisture	≤0.50%
07	Melting Point	61- 63°C
08	Density	1.58 g/cm³
09	Solubility	Freely Soluble in Water
10	pH (10% Solution)	1.0 - 2.0

6, Ashirvad Complex, Nr. Sardar Patel Seva Samaj Hall, Navrangpura, Ahmedabad-380 009
Phone: +91 79 2640 6891, 2644 6891, 2646 6891 * +91 942 659 6891 /+91 982 500 0547
Email: sales@bttcogroup.com Website: www.bttcogroup.com

Applications:

Agrochemical Industry: Herbicides, Pesticides, Plant growth regulators

Pharmaceutical Industry: Drug intermediates, Active ingredient synthesis

Chemical Industry: Carboxymethyl Cellulose (CMC), Thioglycolic Acid, Surfactants, Specialty chemicals

Dyes & Pigments: Dye intermediates, Pigment manufacturing

Textile Industry: Chemical processing auxiliaries, Specialty textile chemicals

Storage & Handling:

- Store in a cool, dry and well-ventilated area.
- Keep containers tightly closed.
- Protect from moisture, heat and direct sunlight.
- Keep away from alkalis, oxidizing agents and incompatible materials.
- Handle using appropriate personal protective equipment.

Packing:

- 35 / 37 / 40 / 50 / 57 Kilos Poly Cans (Jerry Can)
- 300/350 Kilos HDPE Drums
- 1400 / 1500/1600 Kilos IBC Tanks

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