



COVALENT CHEMICAL

Glacial Acrylic Acid

TECHNICAL DATA SHEET

General Description

Glacial Acrylic Acid is a clear, colorless liquid with a characteristic acrid odor. It is miscible with water, alcohols and ethers. Acrylic acid will undergo the typical reactions of a carboxylic with acid, as well as reactions of the double bond similar to those of the acrylate esters. It lends itself to polymer preparation as well as use as a chemical intermediate. Acrylate esters, both mono- and multifunctional, are generally prepared from acrylic acid.

Typical Properties

Characteristic	UOM	Specification
Purity	Weight %	≥ 99.0
Color	APHA	≤ 10
Water	Weight %	≤ 0.2
Inhibitor (MEHQ)	Weight ppm	180~220
Dimer (ex works)	Weight ppm	≤ 2000

Application

Glacial Acrylic Acid is used in the production of coatings, elastomers, adhesives, thickeners, superabsorbents, acrylic esters, and fiber sizing.

Packaging

Rail, Bulk, ISO Containers, IBC's and Drums

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