



PT TRIDOMAIN CHEMICALS

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Acrylamide 50% Solution

The IUPAC name of acrylamide (acrylic amide) is 2-propenamamide. Most acrylamide is used to synthesize polyacrylamides which find many uses as water soluble thickeners. These include use in waste water treatment, gel electrophoresis (SDS-Gel), enhanced oil recovery, papermaking, ore processing, and the manufacture of permanent press fabrics. In the paper industry polyacrylamides are used as paper strength resin, retention aids, drainage aids, flocculants, thickeners and coatings. Acrylamide can yield a high molecular weight polymer, which is one of the most important properties for flocculant. Another interesting application of acrylamide is its introduction to polyacrylonitrile fiber as a comonomer to improve some of its fiber properties.

The specifications of acrylamide 50% are as follow:

Analytical Items	Specifications
Appearance	Transparent
Color (APHA)	20 max.
Assay (%)	50 ± 0.3
pH	6 – 8
Iron as Fe (ppm)	0.5 max.
Copper as Cu (ppm)	0.2 max.

Packing

200 kg in plastic drums or bulk delivery.