TMG-ABHPA

Product description

TMG-ABHPA is a water-soluble, non-ionic, and nitrile-free azo initiator used in polymerization, featuring a hydroxyl group at its terminal end. It enables the incorporation of hydroxyl functionality at the polymer chain's end. With a 10-hour half-life temperature of 86 °C, it can effectively help reduce residual monomers when used in combination with another initiator.

Chemical Characteristics

Chemical Name	2,2'-Azobis[2-methyl-N-(2-hydroxyethyl) propionamide]
CAS	61551-69-7
Appearance	White to slightly yellow crystalline powder
Solubility	Soluble in water and methanol. Slightly soluble in Chloroform
Assay	≥ 99.0 %
Melting point	138-145 ℃
Moisture content	≤ 0.5 %

Applications

- Aqueous solution polymerization of acrylamide
- Aqueous solution polymerization of acrylic acid
- Emulsion polymerization of styrene
- Compatible with emulsion and suspension polymer systems in the production of paints, coatings, and synthetic rubber.

Storage

Store in a cool, dry, and well-ventilated area, away from direct sunlight, at temperatures below 25 °C. Thermal decomposition releases nitrogen gas, which increases internal pressure in the container. Therefore, do not keep the container tightly sealed.

Packaging

20 kg carton boxes

Special advice for security

Information concerning:

- classification and labelling according to the regulations governing transport and hazardous chemicals
- protective measures for storage and handling
- safety measures in case of accident and fire
- toxicity and ecological effects

are given in our material safety data sheets.