

# TMG-ABAH

## Product description

TMG-ABAH is a highly active, water-soluble azo polymerization initiator suitable for a variety of polymerization applications. This product is uniquely characterized by its cationic amidine group, which allows for the easy and stable synthesis of cationic emulsions, latexes, and more. As a result, it is expected to deliver excellent performance in the emulsion polymerization of synthetic rubber, adhesives, and other materials. Additionally, TMG-ABAH is utilized in the production of superabsorbent polymers and as a coagulant.

## Chemical Characteristics

Chemical Name	2,2'-azobis (2-amidinopropane) dihydrochloride
CAS	2997-92-4
Appearance	White granules
Solubility	Freely soluble in water. Insoluble in methanol, ethanol, acetone, DMF, and dioxane.
Assay	≥ 98.0 %
Melting point	160-169 °C
Moisture content	≤ 0.1 %

## Applications

- Aqueous solution polymerization of Acrylamide
- Aqueous solution polymerization of acrylic acid
- Emulsion polymerization of styrene
- Emulsion polymerization of methyl methacrylate/butyl acrylate.

## Storage

Store in a cool, dry, and well-ventilated area, away from direct sunlight, at temperatures below 40 °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; Custom packaging is available upon request.

## 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.