

# TMG-ADV N

## Product description

TMG-ADV N is an odorless white solid that serves as a general-purpose azo initiator utilized in various polymerization processes. In comparison to TMG-AIBN, the 10-hour half-life temperature of TMG-ADV N is lower by 10 °C. This product can be utilized in a wide range of applications, including the production of versatile polymers and cosmetic formulations.

## Chemical Characteristics

Chemical Name	2,2'-Azobis(2,4-dimethylvaleronitrile)
CAS	4419-11-8
Appearance	White crystalline powder
Solubility	Soluble in benzene, acetone, ether, DMF, toluene, and methanol. Insoluble in water.
Assay	≥ 98.0 %
Melting point	45-70 °C
Moisture content	≤ 0.5 %

## Applications

- It can be used for polymerization of acrylics sheets and acrylic resins (e.g., methyl methacrylate, butyl acrylate).
- Vinyl monomers (e.g., vinyl acetate)
- Styrene
- Employed in formulating high-performance acrylate-based adhesives and sealants.
- Used in the emulsion and bulk polymerization of synthetic rubbers.

## Storage

Store in a cool, dry, and well-ventilated area, away from direct sunlight, at temperatures below 15 °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.