

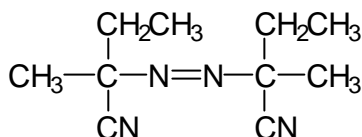
# IMPRESSION

## HM - 500

Initiator for vinyl polymerization  
or Blowing agent for PU Foam

**DESCRIPTION** IMPRESSION HM-500 is initiator for acrylic and vinyl polymerization or blowing agent for polyurethane foam.  
HM - 500 has the good solubility in organic solvent and vinyl monomer.

**CHEMICAL NAME** 2,2' - Azobis(2 - cyanobutane)  
2,2' - Azobis(Methylbutyronitrile)  
AMBM

**STRUCTURE**

**CHEMICAL PROPERTIES** Appearance : White powder  
Purity : 99.9%(Exist in cis- /trans- forms)  
Mw : 192.26  
Melting(decomposition) Temperature : 49 - 50  
Temperature of half life time( $t_{1/2}$ ) for 10hrs : 67 (in toluene)  
Solubility(Solvent 100g, 25 )  
- Toulene : >185  
- Methanol(absolute) : 161  
- Water : < 0.1

**APPLICATION** Blowing agent for integral skin polyurethane foam.  
Initiator of many chemical reactions, including :  
- acrylic and vinyl polymerization  
- halogenations  
- oxidations and related chain reactions  
- additions of small molecules across olefinic double bonds  
- cross - linking

**PACKING** 25Kg in PE film paper drum

**HANDRING and STORAGE** The maximum storage temperature is below 24  
It is strongly recommended that HM - 500 be stored under refrigerated condition to ensure product quality.

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