

AIBN

Chemical name	Azobisisobutyronitrile	
$ \begin{array}{c} \text{CN} \quad \quad \text{CN} \\ \quad \quad \\ \text{CH}_3-\text{C}-\text{N}=\text{N}-\text{C}-\text{CH}_3 \\ \quad \quad \\ \text{CH}_3 \quad \quad \text{CH}_3 \end{array} $	Molecular formula	C8H12N4
	Molecular weight	164.21
	CAS NO.	78-67-1
	UN NO.	3234
	EINECS.	201-132-3

Brief Introduction:

White crystalline powder, insoluble in water, soluble in methanol, ethanol, acetone, ether, and other organic solvents. Melting point: 100 – 103 ° C. Unstable when heated and prone to decomposition.

Store below 20° C.

Half Life Data:

- Activation Energy... 130.23kcal/mole
- 10 hour, Half Life Temp..... 64°C
- 1 hour, Half Life Temp..... 82°C
- 0.1 hour, Half Life Temp..... 101°C

Specification:

Assay	≥99%
Color	White
Fe	≅2ppm
Cl	≅0.003%

Application:

As a polymerization initiator for monomers in the production of polyvinyl chloride (PVC), polyvinyl alcohol (PVA), polymer polyols, polystyrene (PS), polyacrylonitrile (PAN), etc. Also serves as a foaming agent for rubber and plastics.

Package and Storage:

20 kg cardboard drums or boxes

Store in a dry place, away from direct sunlight, heat sources, open flames, flammable materials, and high-temperature equipment.