

MATERIAL SAFETY DATA SHEET

AIBN 98% (For Synthesis)

MSDS CAS: 78-67-1

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: AIBN 98% (For Synthesis)

CAS#: 78-67-1

C.I. No.: Not available.

Synonym: Not available.

Chemical Name: alpha,alpha-AZOISOBUTYRONITRILE.

Chemical Formula: C₈H₁₂N₄

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
alpha,alpha-Azoisobutyronitrile	78-67-1	100

Section 3: Hazards Identification

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Eye Contact:

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Skin Contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Inhalation:

Assure fresh air breathing. Allow the victim to rest. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Serious Inhalation: Not available.

Ingestion:

Obtain emergency medical attention. Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Hazardous combustion products:

Under fire conditions, hazardous fumes will be present

Extinguishing media:

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Flammable Limits: Not available.

Fire Hazards in Presence of Various Substances: Not available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

- For emergency responders** : Equip cleanup crew with proper protection. Ventilate area.
For non-emergency personnel : Evacuate unnecessary personnel.
Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Section 7: Handling and Storage

Precautions:

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area.

Storage:

Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage away from:

Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure controls:

- Personal protection** : Avoid all unnecessary exposure.
• Respiratory protection : Wear approved mask.
• Hand protection : Wear protective gloves.
• Eye protection : Chemical goggles or safety glasses.
• Others : When using, do not eat, drink or smoke.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Characteristic

Taste: Not available.

Molecular Weight: Not available.

Section 9: Physical and Chemical Properties (Continued)

Color: White to off white.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: 102 - 104 °C - dec

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Not available.

Section 10: Stability and Reactivity Data

Stability: Stable under recommended storage conditions.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Strong acids. Strong bases.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Not available.

Toxicity to Animals: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Not available.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information (Continued)

Ecotoxicity: Not established.

BOD5 and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : AIBN 98% (For Synthesis)

UN N° : 3234

ADR - Class : 4.1: Flammable solids, self-reactive substances and desensitized explosives.

Sea transport (IMDG) [English only]

Proper shipping name : AIBN 98% (For Synthesis)

UN N° : 3234

IMO-IMDG - Class or division : 4.1: Flammable solids, self-reactive substances and desensitized explosives.

IMO-IMDG - Packing group : III

Air transport (ICAO-IATA) [English only]

Proper shipping name : AIBN 98% (For Synthesis)

UN N° : 3234

IATA - Class or division : 4.1: Flammable solids, self-reactive substances and desensitized explosives.

IATA - Packing group : III

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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