

TECHNICAL DATA SHEET



Hexamine - Free Flow

Product Description

Type: Hexamethylenetetramine
Delivery form: Powder
Packaging: Fiber drum, Bag

Application Areas/Suggested Uses

- Chemical intermediates: Crosslinker for Rubber and Tire, Curing agent for phenolic resins.

Additional information: This product has inorganic silicates added to prevent the hexamine from hardening during storage.

Benefits

- Chemical intermediates
- Consistent quality
 - Flowable

Typical Properties

Property	Value	Unit
Ashes	2.5 - 3.5	%
Particle size (Sieve) thru 100 mesh	99.0 - 100.0	%
Particle size (Sieve) thru 16 mesh	100.0	%
Particle size (Sieve) thru 60 mesh	100.0	%
Purity	95.1 - 97.1	%
Water content	≤ 0.42	%

Additional Properties Determined at Design

Property	Value	Unit
Apparent density (loose)	approx. 15.6 - 35.6	lb/ft ³
Apparent density (packed)	approx. 30.7 - 50.7	lb/ft ³
Appearance	White powder	-
Flash point (Setaflash, Closed cup)	approx. 250	°C
Molecular weight	140.2	g/mol
Solubility in water	approx. 43	%

All tests are conducted in accordance with the current Bakelite Standard Test Methods which are available upon request.

Storage recommendations

This product is generally stable material for a period of approximately 12 months when stored unopened indoors at 0 - 40 °C (32 - 104 °F) at less than 60 % relative humidity. Opened packaging should be resealed as tightly as possible to prevent moisture pickup and contamination from foreign matter. Double stacking of pallets is not recommended to prevent material compression and possible sintering.

While Bakelite ensures that products shipped meet specifications, product exposure to the elements during shipping and subsequent storage may impact product performance. To ensure that the product is still usable after an extended storage period, it is recommended to check the product is still within the specification limits.

The useful life of the product must be verified by the user.

Safety and Handling

This product must be used and disposed off according to the indications given in the safety data sheet. Hexamethylentetramine is GHS classified as a Flammable solid Category 2.

Bakelite solid products, including but not limited to powders and flake resin products can be combustible and present a fire or explosion hazard under certain conditions (including, but not limited to when dusts are finely divided and suspended in air and/or allowed to accumulate on surfaces). Fine dust clouds may form explosive mixtures. The buyer must comply with all laws, regulations and standards applicable to the possession, handling and use of solid products by the buyer. Please consult US NFPA Standard 652 & 654, ATEX Directives 1999/92/EC and 2014/34/EU, or other national guidance on safe handling of combustible dusts.

Contact Information

For additional information, please reach out to your Bakelite representative or contact us through our website www.bakelite.com.