



Hexamethylenetetramine (Hexamine / HMT)

Properties

CAS NO. 100-97-0

Form	Crystalline small rhombic crystals
Color	White
Odor	Slight odor of amine
pH of 10% Aqueous Solution	8 – 9 (6.5 - 7.5 for stabilized with Benzoic acid)
Bulk Density	700 - 800 g/ltr.
Vapor Pressure @ 20°C	0.0035 mbar
Solubility in Water	20°C - 874 g/ltr. 60°C - 844 g/ltr.
Melting Point	280°C (sublimation)
Flash Point	250°C
Ignition Temperature	390°C

Specifications

Component	Unit	Composition by Weight			Test Method
		Unstabilized	Stabilized (Silica)	Stabilized (Benzoic acid) [#]	
Purity	%	99.20 Min.	98.20 Min.	98.2 Min.	LWI - 36
Ash Content**	%	0.05 Max.	1.00 Max.	0.05 Max.	LWI - 39
Moisture	%	0.30 Max.	0.30 Max.	0.30 Max.	LWI - 37
Free Ammonia	%	0.01 Max.	0.01 Max.	0.01 Max.	LWI - 42
Chlorides	%	0.001 Max.	0.001 Max.	0.001 Max.	LWI - 40
Sulphates	%	0.005 Max.	0.005 Max.	0.005 Max.	LWI - 66
Heavy Metals	-	Not Traceable	Not Traceable	Not Traceable	LWI - 35

**HMT-Stabilized with Silica - Ash Content between 0.5 – 1.5% w/w can be produced and supplied.

[#]HMT-Stabilized with Benzoic acid - as per the customer requirement can be produced and supplied

Grades

- Unstabilized
- Stabilized with Silica
- Stabilized with Benzoic Acid

Major Applications

- Rubber Industry
- Explosive
- Fuel Industry
- Synthetic Resin
- Lubricant

Packing

- 25 kg polypropylene bag with inner polyethylene liner (UN approved)
- 500 kg polypropylene jumbo bag type C & D antistatic bag
- 1,000 kg polypropylene jumbo bag type C & D antistatic bag