



الراج العالمية القابضة
AL-JAH INTERNATIONAL HOLDING

Hexamethylenetetramine Hexamine / HMT

Properties

CAS NO. 100-97-0

Form	Crystalline small rhombic crystals
Color	White
Odor	Slight odor of amine
Specific Gravity @ 20°C	1.33
pH of 10% Aqueous Solution	8 - 9
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
		Stabilized	Unstabilized	
Purity	%	98.20 Min.	99.20 Min.	LWI - 36
Ash Content**	%	1.00 Max.	0.05 Max.	LWI - 39
Moisture	%	0.30 Max.	0.30 Max.	LWI - 37
Free Ammonia	%	0.01 Max.	0.01 Max.	LWI - 42
Chlorides	%	0.001 Max.	0.001 Max.	LWI - 40
Sulphates	%	0.005 Max.	0.005 Max.	LWI - 66
Heavy Metals	-	Not Traceable	Not Traceable	LWI - 35

* Depending on the required degree of Stabilization

Grades

- Stabilized with Silica
- Stabilized with Benzoic Acid
- Unstabilized

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