HEXAMINE

CAS Number: 100-97-0

Other Names: Methenamine, Hexamethylenetetramine, Urotropine, Hexamethylenamine, Urotropin 1,3,5,7-Tetraazaadamantane, Aminoform

Formula: $C_6H_{12}N_4$

PRODUCT INTRODUCTION

Hexamine or urotropin, is a heterocyclic organic compound with the formula $C_6H_{12}N_4$ .It appears as white crystalline compound and it is highly soluble in water and polar organic solvents. It has a cage-like structure similar to adamantane. It is useful in the synthesis of other chemical compounds, e.g., plastics, pharmaceuticals, rubber additives.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Crystalline Free Flowing Powder
HMT Content (%)	99.50
pH 25°C of aqueous extract	8.60
Moisture Content (%)	< 0.3
Ammonia NH_3 (%)	< 0.01
Sulphate Content (%)	< 0.0020

APPLICATIONS

- Hexamine is used in the rubber industry to prevent vulcanized rubber from blocking and as an accelerator.
- It has its uses as a curing agent for thermosetting resins (particularly phenyl-formaldehyde and urea-formaldehyde resins.
- It is also used as a food additive as a preservative (INS number 239).
- Hexamine is used in the production of nitrilotriacetic acid and in the manufacture of adhesives and coatings.
- Hexamine also has its contribution in pharmaceuticals especially for intestinal infection.

PACKAGING OPTIONS

Drums

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