



**METAFRAX
CHEMICALS**

HEXAMETHYLENETETRAMINE TECHNICAL

Regulatory document

TU 2478-037-00203803-2012 "Hexamethylenetetramine technical. Technical specifications."

Application

The product is used in the production of plastics, rubber and varnish films; in the medical and food industries; in analytical chemistry; it is used as a dry fuel; for the production of shell molds with sand for casting; for the production of adhesives, glues, water-repellents, anti-corrosion agents, liquids for metal processing; for the production of camphor; it is used as a binding agent to add volume and elasticity to the final product (rubber); for the production of phenolic and synthetic resins, bakelite, UF resins in molding powders; for the production of agrochemicals; for the production of powder hardener of the epoxide resins; for foundry production, production of molding compounds and polymers, as a binder in brake and clutch linings; explosives, for the production of resin-coated sand; for the production of phenolic resin tanning agent; for the production of foaming agent.

Transportation and storage

Hexamethylenetetramine technical may be transported by all modes of transport in accordance with the rules of the dangerous goods transportation, valid for this mode of transport. Transportation and/or storage under conditions of higher humidity, as well as putting pressure on products result in its caking.

Hexamethylenetetramine technical to be stored in covered, well ventilated warehouses, protected from direct sunlight and atmospheric precipitations, on pallets at the height of not less than 5 cm from the floor and at a distance of not less than 1 m from the heating units. It is not recommended to put the big bags and unit loads on the top of each other.

Manufacturer's guaranty

Guaranty period of storage is 3 years from the manufacturing date, provided that all transportation and storage rules are observed.

Sales in the Russian Federation and CIS

Svetlana Gorskikh
E-mail: manager@metafrat.ru
Phone: [+7\(984\) 000 19 88](tel:+7(984)0001988)

Sales for export

Pavel Pirogov
E-mail: export@metafrax.ru
Phone: [+7\(984\) 000 10 55](tel:+7(984)0001055)



Physical and chemical features

| Parameter name | Norm for type | | |
|--------------------------------------|-----------------------------|-------------|-------------------------------------|
| | C | | CT |
| | High grade | First grade | |
| Appearance | White crystal caking powder | | White crystalline low-caking powder |
| Mass fraction of amines, %, not less | 99,5 | 98,0 | 96,5 |
| Mass fraction of water, %, not more | 0,5 | 2,0 | 0,5 |
| Residue on ignition, % not more | 0,01 | 0,01 | 3,0 |
| Permanganate time, min, not less | 20 | 20 | – |
| Content of the stabilizer, % | – | – | 0,5 - 3,0 |

C – polydisperse (with crystals of different size)
CT – stabilized polydisperse