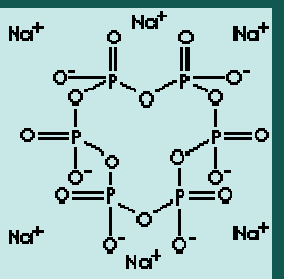
SODIUM HEXAMETAPHOSPHATE



PRODUCT IDENTIFICATION

CAS NO.	10124-56-8
EINECS NO.	233-343-1
FORMULA	$(NaPO_3)_6$
MOL WT.	611.77
H.S. CODE	2835.39
TOXICITY	Oral rat LD50: 6200 mg/kg
SYNONYMS	Metaphosphoric acid, hexasodium salt; Calgon S; SHMP; Glassy sodium; Hexasodium metaphosphate; Metaphosphoric acid, hexasodium salt; Sodium Polymetaphosphate; sodium polymetaphosphate; Graham's Salt;
DERIVATION	
CLASSIFICATION	

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	White powder
MELTING POINT	
BOILING POINT	
SPECIFIC GRAVITY	2.18
SOLUBILITY IN WATER	Soluble
pH	5.5 - 7.7
VAPOR DENSITY	
AUTOIGNITION	
NFPA RATINGS	
REFRACTIVE INDEX	
FLASH POINT	
STABILITY	Stable under ordinary conditions

APPLICATIONS

Sodium Hexametaphosphate is used as sequestering agent. It is used in the industry of soap, detergents, water treatment, metal finishing and plating, pulp and paper manufacture, synthesis of polymers, photographic products, textiles, scale removal and agriculture.

SALES SPECIFICATION	TECH GRADE	FOOD GRADE
APPEARANCE	White Powder	
ACTIVE MATTER	68.0% min	68.0% min
INSOLUBLES IN WATER	0.05% max	0.05% max
pH	5.8 - 7.3	5.8 - 6.5
Fe	0.005% max	0.005% max
As		3ppm max
HEAVY METALS		10ppm max

TRANSPORTATION

PACKING	25kgs in bag
HAZARD CLASS	Not regulated
UN NO.	

OTHER INFORMATION

The salt forms of phosphate polymers is used as a sequestering agent. As phosphate polymers themselves are hydrated in water at high temperature or high pH, and thereby revert to a more simple and stable phosphate form, which can no longer sequester metal ions.