



Shree Jay Ambe

**Jay
Dinesh
Chemicals**
Quality is Priority

Certificate No. : 6709-002

Offic Add:- 303/304 Murlidhar complex,
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Factory: Plot No.184-186, Nr. Clearis Life Science,
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MATERIAL SAFETY DATA SHEET FOR SODIUM HEXAMETA PHOSPHATE

1] Chemical Product and Company Identification:

Product: Sodium Hexameta Phosphate

Synonym: Graham's Salt, Glassy Sodium Metaphosphate, Calgon, Sodium Polyphosphate,
Sodium Phosphate Glass, Hexasodium Salt, Metaphosphoric Acid Mark: As per IS 574:2000

Chemical Formula: $(\text{NaPO}_3)_6$

2] Hazard Identification:

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant, sensitizer), of inhalation.

3] Composition/ information of ingredients:

Sodium Hexameta Phosphate – $(\text{NaPO}_3)_6$

4] First Aid Measures

• Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

• Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

• **Serious Skin Contact:** Not available.

• Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

• **Serious Inhalation:** Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.



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5] Fire Fighting Measures:

Protective Equipment: No Special Measures required.

6] Accidental Release Measures:

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Environmental Precautions: No special measure required.

7] Handling and Storage:

Handling: Minimize Dust Formation. Keep away from incompatibles such as acids and alkalis.

Storage:

1. Protect from contamination
2. Store in original, unopened package in clean, cool and dry place due to its hygroscopic nature.
3. Store one pallet high to avoid compaction

8] Exposure Controls/ Personal Protection:

Regulation: None

Air Contamination: None listed

9] Physical and Chemical Properties:

IS: 574

Physical state and appearance: Solid. (Crystals solid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: (101.96)*6 or 611.52 gm/mole

Color: White.

pH (1% soln/water): 7 [Neutral.] **Boiling**

Point: 1500°C (2732°F) **Melting Point:**

550°C (1022°F) **Critical Temperature:** Not available.

Specific Gravity: Density: 1.25 (Water = 1)



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Solubility:

Easily soluble in cold water, hot water. Soluble in water, but it dissolves slowly. Depolymerizes in aqueous solutions to form sodium trimetaphosphate and sodium orthophosphates. Insoluble in organic solvents.

Matter Insoluble in water, Percent by mass: 0.2 Soluble Iron Compound (as Fe), Percent by mass: 0.03 Phosphate as (P2O5) Percent by mass: 68.00
Loss on Ignition, Percent by mass: 3.0 Sequestering Power: To pass Test Orthophosphate Content, Percent by mass: 1.5

10] Stability and Reactivity:

Special Remarks on Reactivity: Hygroscopic, Keep container tightly closed

Hazardous reaction: None

Hazardous thermal decomposition products: None Slightly corrosive in presence of steel.

11] Toxicological Information:

Oral Rat LD 50: 3053 mg / kg

Cancer Lists:	NTP Carcinogen		
	Known	Anticipated	IARC Category
Ingredient Polyphosphoric Acids, Sodium Salts (68915-31-1)	No	No	None

When of sufficient purity the material is of low toxicity. High pH of solutions may cause irritation to eyes and skin.

12] Ecological Information:

The product itself and its products of degradation are not toxic.

13] Disposal Considerations:

Sweep up spillage and recover / recycle if possible. Otherwise place in paper sack and dispose as industrial waste.

14] Transport Information:

Not classified as a substance hazardous for transport.



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15] Regulatory Information:

Labling based on Supplier's Classification

- Can cause irritation to skin and eyes. Immediately wash the skin and eyes with ample water.
- Wear suitable gloves and eye/ face protection.

16] Other Information

- As additive to boiler feed and Cooling water treatment for scale prevention and Corrosion inhibition.
- Sequestrant/ dispersant for Detergent Operations in Textiles, Laundries and Bottle Washing Dairies and Meat, Fish and Cheese Processing, Pre-tanning agent for leather

* Data given in this Material Safety Data sheet are solely for guidance in safe handling and use of the product(s) by customers.