

**MATERIAL SAFETY DATA SHEET**

Product Name: Sodium hexametaphosphate

CAS No.: 10124-56-8

Version: 0

**1. Identification**

**Product Code** : 90242, 90548  
**Company Name** : Advent Chembio Private Limited  
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**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent
SODIUM HEXAMETAPHOSPHATE	10124-56-8	65-66 %

**3. Hazards Identification**

**Hazard classification** : Not classified  
**Labels elements**  
**Hazard symbol** : No symbol  
**Signal word** : No signal word.  
**Hazard statement** : Not Applicable.  
**Precautionary statement** : Not Applicable.  
**Other hazards which do not result in GHS classification** : None.

**4. First Aid Measures**

**General information** : Consult a physician. Show this safety data sheet to the doctor in attendance.  
**Ingestion** : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.  
**Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician  
**Skin contact** : Wash off with soap and plenty of water. Consult a physician.  
**Eye contact** : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Most important** : No data available

**MATERIAL SAFETY DATA SHEET****Product Name:** Sodium hexametaphosphate**CAS No.:** 10124-56-8**Version:** 0**symptoms/effects, acute and delayed****Indication of immediate medical attention and special treatment needed** : No data available**5. Fire fighting measures****General fire hazards** : No unusual fire or explosion hazards noted.**Suitable (and unsuitable) extinguishing media****Suitable extinguishing media** : Use fire-extinguishing media appropriate for surrounding materials .**Unsuitable extinguishing media** : None known.**Specific hazards arising from the chemical** : Nature of decomposition products not known.**Special protective equipment and precautions for firefighters****Special fire fighting procedures** : Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.**Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.**6. Accidental Release Measures****Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.**Methods and material for containment and cleaning up** : Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.**Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.**Environmental precautions** : Do not let product enter drains.

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**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure Controls Personal Protection****Control parameters**

Occupational exposure limits : None of the components have assigned exposure limits

**Appropriate engineering controls** : No data available.

**Individual protection measures, such as personal protective equipment**

**General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection** : Use tight fitting goggles if dust is generated.

**Hand protection** : Use suitable protective gloves .

**Other** : Wear suitable protective clothing.

**Respiratory protection** : In case of inadequate ventilation use suitable respirator.

**Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

**9. Physical and Chemical Properties**

**Appearance** : A white powder.

**Odor** : No data available

**pH** : No data available

**Melting point/freezing point** : 628 °C

**Initial boiling point and boiling range** : No data available

**Flash Point** : Not applicable

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**Vapor pressure** : No data available  
**Vapor density** : No data available  
**Relative density** : No data available  
**Solubility in water** : No data available  
**Solubility (other)** : No data available.  
**Formula** : (NaPO<sub>3</sub>)<sub>6</sub>  
**Molecular Weight** : 611.77 g/mol

**10. Stability and Reactivity**

**Reactivity** : No data available  
**Chemical stability** : No data available  
**Possibility of hazardous reactions** : No data available  
**Conditions to avoid** : No data available  
**Incompatible materials** : Strong oxidizing agents.  
**Hazardous decomposition products** : No data available

**11. Toxicological Information****Information on likely routes of exposure**

**Ingestion** : May be harmful if swallowed.  
**Inhalation** : May cause irritation to the respiratory system.  
**Skin contact** : May cause irritation.  
**Eye contact** : May irritate eyes.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

**Oral Product** : No data available  
**Dermal Product** : No data available  
**Inhalation Product** : No data available  
**Repeated dose toxicity Product** : No data available.  
**Skin corrosion/irritation Product** : May cause skin irritation.  
**Serious eye damage/eye irritation Product** : May irritate eyes.  
**Respiratory or skin sensitization Product** : Not a skin sensitizer.

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<b>Carcinogenicity Product</b>	:	This substance has no evidence of carcinogenic properties.
<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE</b>	:	No carcinogenic components identified.
<b>US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE</b>	:	No carcinogenic components identified.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	:	No carcinogenic components identified.
<b>Germ cell mutagenicity</b>		
<b>In vitro Product</b>	:	No mutagenic components identified.
<b>In vivo Product</b>	:	No mutagenic components identified.
<b>Reproductive toxicity Product</b>	:	No components toxic to reproduction.
<b>Specific target organ toxicity - single exposure Product</b>	:	No data available.
<b>Specific target organ toxicity - repeated exposure Product</b>	:	No data available.
<b>Aspiration hazard Product</b>	:	Not classified.
<b>Other effects</b>	:	None known.

**12. Ecological Information****Ecotoxicity****Acute hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Chronic hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Toxicity to Aquatic Plants** : No data available.**Product:****Persistence and degradability****Biodegradation Product** : No data available.**BOD/COD ratio Product** : No data available.**Bioaccumulative potential****Bioconcentration factor (BCF)** : No data available.**Product****Partition coefficient n-octanol / water (log Kow) Product** : No data available.**Mobility in soil****Mobility in soil** : No data available.**Other adverse effects** : No data available.

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- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>			Not dangerous goods		
<b>IMDG</b>			Not dangerous goods		
<b>IATA</b>			Not dangerous goods		

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date** :01/08/2014**Version** : 0

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