SAFETY DATA SHEET
SODIUM HEXAMETAPHOSPHATE

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION
Product Name: Sodium Hexametaphosphate
CAS Number: 10361-03-2
10124-56-8
68915-31-1
EC number: 272-808-3
Application: Water processing, Washing agent and detergent, Textile and
leather agent, Ceramic, Enamel, Colors, Food additive.
Distributor: Chemistry Connection
253 Sturgis Road
Conway, AR 72034
Phone: (501) 470-9689
Emergency: Chemtrec: 800-424-9300

2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture
The substance is not classified according to the Globally Harmonized System (GHS).

Label Elements.
GHS Label Elements: Void
Hazard Pictograms: Void
Signal Word: Void
Hazard Statements: Void

Classification System:

\[
\begin{align*}
\text{Health} &= 1 \\
\text{Fire} &= 0 \\
\text{Reactivity} &= 0
\end{align*}
\]

\[\text{HMIS-ratings (scale 0 - 4)}\]

\[
\begin{align*}
\text{Health} &= 1 \\
\text{Fire} &= 0 \\
\text{Reactivity} &= 0
\end{align*}
\]

· Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.
3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Substances
CAS No. Description: 68915-31-1 Sodium Hexametaphosphate
or
10124-56-8 Sodium Hexametaphosphate
Identification Number(s): EC number: 272-808-3

4. FIRST-AID MEASURES

Description of first aid measures
After Inhalation: In case of unconsciousness place patient stably in side position for transportation.
After Skin Contact: Rinse with water.
After Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After Swallowing: If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed
No further relevant information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed
No further relevant information available.

5. FIRE-FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards Arising From
The Substance or Mixture: No further relevant information available.
Advice for Firefighters:
Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Not required.
Environmental Precautions: Do not allow product to reach sewage system or any water course.
Containment/ Clean Up: Pick up mechanically.
Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for Safe
Handling: Ensure good ventilation/exhaustion at the workplace.
Information About Protection Against Explosions and Fires: No special measures required.
Conditions for Safe Storage Including Any Incompatibilities: Store in cool, dry conditions and well ventilated area.
Storage: Requirements to be met by Storerooms and Receptacles: Store in cool, dry conditions and well ventilated area.
Further information about Storage Conditions: Keep receptacle tightly sealed.
Specific End Use(s): No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional Information About Design of Technical systems: No further data; see item 7.

Control Parameters Components with Limit Values That Require Monitoring at the Workplace: Not required.

Additional Information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal Protective Equipment: General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing Equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of Hands

Protective gloves

Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration Time of Glove Material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection: Tightly sealed googles
9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Form: Powder
Color: White
Odor: Odorless
Odor threshold: Not determined.

pH-value (10 g/l) at 20 °C (68 °F): 5.0 - 7.0
Change in Condition
Melting point/Melting range: >600 °C (>1112 °F)
Boiling point/Boiling range: Undetermined.
Flash point: Not applicable.
Flammability (solid, gaseous): Not applicable.
Ignition Temperature:
Decomposition Temperature: Not determined.
Auto Igniting: Not determined.
Danger of Explosion: Product does not present an explosion hazard.
Explosion Limits:
Lower: Not determined.
Upper: Not determined.
Vapor Pressure: Not determined.
Density at 20 °C (68 °F): 1.2 g/cm³ (10.014 lbs/gal)
Relative Density: Not determined.
Vapour Density: Not determined.
Evaporation Rate: Not applicable.
Solubility in / Miscibility with Water: Soluble.
Partition Coefficient (n-octanol/water): Not determined.
Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.
Other Information: No further relevant information available.

10. STABILITY AND REACTIVITY
Reactivity
Chemical Stability
Thermal Decomposition / Conditions to Be Avoided: No decomposition if used according to specifications.
Possibility of Hazardous
Reactions: No dangerous reactions known.
Conditions to Avoid: No further relevant information available.
Incompatible Materials: No further relevant information available.
Hazardous Decomposition Products: Phosphorus oxides (e.g. P2O5) Sodium oxide (Na2O)

11. TOXICOLOGICAL INFORMATION
Information on toxicological effects
Acute Toxicity:
Primary Irritant Effect:
On the Skin: No irritant effects.
On the Eye: Irritating effect.
Sensitization: No sensitizing effects known.
Additional Toxicological Information:
Carcinogenic categories: IARC (International Agency for Research on Cancer) Substance is not listed.
NTP (National Toxicology Program) Substance is not listed.
OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12. ECOLOGICAL INFORMATION
Toxicity
Aquatic Toxicity: No further relevant information available.
Persistence and Degradability: No further relevant information available.
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.
Results of PBT and vPvB Assessment:
PBT: Not applicable.
vPvB: Not applicable.
Other Adverse Effects: No further relevant information available.

13. DISPOSAL CONSIDERATION (non-mandatory)
Waste Treatment Methods
Recommendation: Smaller quantities can be disposed of with household waste.
Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION (non-mandatory)
UN-Number
DOT, ADR, ADN, IMDG,
IATA: Void
UN Proper Shipping Name
DOT, ADR, ADN, IMDG,
IATA: Void
Transport Hazard Class(es)
DOT, ADR, ADN, IMDG, IATA
Class: Not restricted for transport

Packing Group
DOT, ADR, ADN, IMDG, IATA: Void
Environmental Hazards:
Marine pollutant: No
Special Precautions for Use: Not applicable.
Transport in Bulk According
to Annex II of MARPOL 73/78
and the IBC Code: Not regulated for transport.

15. REGULATORY INFORMATION (non-mandatory)

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara
Section 355 (extremely hazardous substances): Substance is not listed.
Section 313 (Specific toxic chemical listings): Substance is not listed.
TSCA (Toxic Substances Control Act): Substance is listed.

Proposition 65
Chemicals known to cause cancer: Substance is not listed.
Chemicals known to cause reproductive toxicity for females: Substance is not listed.
Chemicals known to cause reproductive toxicity for males: Substance is not listed.
Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenic Categories
EPA (Environmental Protection Agency) Substance is not listed.
TLV (Threshold Limit Value established by ACGIH) Substance is not listed.
NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
GHS label elements Void
Hazard pictograms Void
Signal word Void
Hazard statements Void
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

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