

## Material Safety Data Sheet

### Sodium Hexametaphosphate (SHMP)

#### Section 1: Chemical Product and Company Identification

Product Name : Sodium Hexametaphosphate (SHMP)  
Chemical Formula :  $(\text{NaPO}_3)_n$  where  $n = 3-30$   
Company Identification : Tradeasia International Pte Ltd  
Email : contact@chemtradeasia.com

#### Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Sodium Hexametaphosphate	68915-31-1	100

#### Section 3: Hazards Identification

No known hazards

#### Section 4: First Aid Measures

Eye Contact : Wash with water

Skin contact : None required

Inhalation/ingestion : If any symptoms following ingestion or inhalation obtain medical advice.

#### Section 5: Fire Fighting Measures

Governed by other materials present. No special fire-fighting equipment or measures required.

#### Section 6: Accidental Release Measures

Sweep up spillage and recover/recycle if possible. Otherwise place in paper or plastic sacks and dispose of as industrial waste.

#### Section 7: Handling and Storage

Handling:

No special precaution required.

**Storage:**

Hygroscopic solid. Store in tightly sealed containers in a dry cool place. Store one pallet high to avoid compaction. Protect food grade material from contamination.

**Section 8: Exposure Controls/Personal Protection**

Regulations : None  
Air contamination limits : None listed

**Section 9: Physical and Chemical Properties**

Form : Hygroscopic glassy chips or powder or granules dependent on type.  
Color : White  
Odor : None  
Change in physical state : Melts above 600°C  
Bulk Density : 0.8-1.5 g/ml  
Vapour pressure : Not applicable  
Viscosity : Not applicable  
Solubility : Greater than 50 g per 100 g water at 25°C  
pH Value : 7.0 at 25°C (1% soln.)  
Flash point : Not applicable  
Ignition temperature : Does not burn  
Explosion limits : Not relevant

**Section 10: Stability and Reactivity Data**

Thermal Decomposition : None. Melts above 600°C  
Hazardous thermal decomposition products : None  
Hazardous reactions : None

**Section 11: Toxicological Information**

Low toxicity - when of suitable purity is a permitted food additive.

**Section 12: Ecological Information**

**Ecological effects:** Hydrolyses in water to orthophosphate which may act as a plant nutrient and precipitate heavy metals.

### **Section 13: Disposal Considerations**

#### **Waste Disposal:**

Sweep up spillage and recover/recycle if possible. Otherwise place in paper or plastic sacks and dispose of as industrial waste.

### **Section 14: Transport Information**

Not classified as a substance hazardous for transport.

### **Section 15: Other Regulatory Information**

Not classified as a substance hazardous for supply.

### **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

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