



Certificate No. : 6709-001

Shree Jay Ambe

# Associated Finechem Pvt. Ltd.



Factory :  
Plot No. 184 to 186, Nr. Claris, Village Chacharawadi-vasna,  
Sarkhej Bawla Highway, Ta. Sanand, Dist. Ahmedabad-382 213.  
Phone : +91 9687653523 9228004248  
Website : www.jaydinesh.com

**Regd Office :**

303/304, Murlidhar Complex, Opp. Fatehpura Post Office,  
Bhattha, Paldi, Ahmedabad - 380 007.  
Phone:- +91 7383243436, 9974013523  
Email:- sales@jaydinesh.com, exports@jaydinesh.com

## SAFTEY DATA SHEET

### Sodium Meta Silicate pentahydrate

#### 1 Identification

**Product identifier**

Trade name: Sodium Meta Silicate pentahydrate

CAS Number: 10213-79-3

EC number: 229-912-9

**Application of the substance / the mixture**

Laboratory chemicals, Industrial & for professional use only.

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier**

Manufactured by: Associated Finechem Private Ltd, Survey No. 184 to 186, Nr. Claris Village Chacharawadi – Vasna, Sarkhej Bawla Highway, Ta. Sanad, Dist Ahmedabad–382213.

**Information department**

Customer Service Department - Jay Dinesh Chemicals

Contact: Mis. Joyti chauhan

e-mail: exports@jaydinesh.com

**Emergency telephone number**

During normal opening time:- +917878730626

#### 2 Hazard(s) Identification

**Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

Corrosive to Metals (Category 1), H290

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section

**Label elements**

**GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



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GHS05

**Signal word:** Danger

**Hazard statements**

**H314**

Causes severe skin burns and eye damage

**H335**

May cause respiratory irritation

**Precautionary statements**

**P261**

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**P280**

Wear protective gloves/ protective clothing/ eye protection/ face protection.

**P305 + P351 + P338**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P310**

Immediately call a POISON CENTER or doctor/ physician.

**Supplemental Hazard Statements**

none

**Other hazards**

**Lachrymator**

## 3 Composition/information on ingredients

**Chemical characterization: Substances**

**CAS No. Description :**10213-79-3

**Identification number(s)**

**EC number:** 229-912-9

## 4 First-Aid Measures

**Description of first aid measures**

**After inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**After skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**After eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**After swallowing:** If symptoms persist consult doctor.

**Information for 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.



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## 5 Fire-Fighting Measures

### Extinguishing media

#### Suitable extinguishing agents:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** Sodium oxides, silicon oxides

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

## 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** Use personal protective equipment specified in Section 8. Isolate the release area and deny entry to unnecessary, unprotected and untrained

**Environmental precautions:** Keep out of "waters of the United States" because of potential aquatic toxicity

#### Methods and material for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

## 7 Handling and Storage

### Handling:

#### Precautions for safe handling

Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid contact with the skin.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

#### Storage

**Requirements to be met by storerooms and receptacles:** Store in cool, dry conditions and well ventilated area.

**Information about storage in one common storage facility:** Do not store together with acids.

**Further information about storage conditions:** Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

**Specific end use(s)** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated



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## 8 Exposure Controls/Personal Protection

**Additional information about design of technical systems:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment:**

**General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- 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:**

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**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

**Eye protection:**



Tightly sealed goggles

## 9 Physical and Chemical Properties

**Information on basic physical and chemical properties**

**General Information**

<b>Appearance:</b>	White graunal
<b>Odor:</b>	No data available
<b>Odor threshold :</b>	No data available

<b>pH-value:</b>	No data available
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**Change in condition**

<b>Melting point/Melting range:</b>	No data available
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<b>Boiling point/Boiling range:</b>	No data available
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined
<b>Auto igniting:</b>	Not determined
<b>Danger of explosion:</b>	No data available
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Density at 20 °C (68 °F):</b>	Not determined.
<b>Relative density:</b>	No data available
<b>Vapor density:</b>	Not determined.
<b>Evaporation rate:</b>	Not applicable.
<b>Solubility in / Miscibility with Water:</b>	Soluble.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable.
<b>Viscosity:</b>	No data available

## 10 Stability and Reactivity

**Reactivity :** No data available

**Chemical stability :** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available.

**Conditions to avoid:** No data available.

**Incompatible materials:** No data available

**Hazardous decomposition products:** Other decomposition products - No data available Hazardous decomposition products formed under fire conditions. - Sodium oxides, silicon oxides

## 11 Toxicological Information

### Information on toxicological effects

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:**

Irritation

**on the eye:**

Strong irritant with the danger of severe eye injury.



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**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.

**Behavior in environmental systems**

**Bioaccumulative potential:**

No further relevant information available.

**Mobility in soil:**

No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach

**Results of PBT and vPvB assessment**

**PBT:**

Not applicable.

**vPvB:**

Not applicable.

**Other adverse effects:**

No further relevant information available.

## 13 Disposal Considerations (non-mandatory)

**Waste treatment methods**

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow

**Uncleaned packagings**

**Recommendation:** Disposal must be made according to official regulations

## 14 Transport Information (non-mandatory)



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## UN-Number

DOT, ADR, ADN, IMDG, IATA Void

## UN proper shipping name

DOT, ADN, IMDG, IATA Void  
ADR Void

## Transport hazard class(es)

DOT  
Class Void

## ADR, ADN, IMDG, IATA

Class Not restricted for transport

## Packing group

DOT, ADR, IMDG, IATA Void

## Environmental hazards

Marine pollutant No

Special precautions for user Not applicable.

UN "Model Regulation" Void

## 15 Regulatory Information (non-mandatory)

### substance or mixture

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: The substance is classified and labeled according to the

### Hazard pictograms





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**GHS05**

**Signal word:**

**Hazard statements:**

**Precautionary statements:**

**Chemical safety assessment:**

Danger

Causes serious eye damage.

Wear eye protection / face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

A Chemical Safety Assessment has not been carried out.

## 16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:** Quality Control Department

**Contact:** Mis. Joyti chauhan

**e-mail:** [exports@jaydinesh.com](mailto:exports@jaydinesh.com)

**Date of preparation / last revision** 04/18/2019 / -

**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

**Data compared to the previous version altered.**

Revision Information: 01/2016, Sections 1, 2 revised - Information department and GHS label.

Revision Information: 01/2017, Added new ABCT Logo