



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 METASILICATE ANHYDROUS

### 1 Identification

#### Product identifier

Trade name: SODIUM METASILICATE ANHYDROUS

CAS Number: 6834-92-0

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 Chuchan

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 :**6834-92-0

**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 |
| <b>Change in condition</b>          |                   |
| <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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|  |                               |
|--|-------------------------------|
| <b>Sensitization:</b>  | No sensitizing effects known. |
| <b>Additional toxicological information:</b>                       |                               |
| <b>Carcinogenic categories</b>                                     |                               |
| <b>IARC (International Agency for Research on Cancer):</b>         | Substance is not listed.      |
| <b>NTP (National Toxicology Program):</b>                          | Substance is not listed.      |
| <b>OSHA-Ca (Occupational Safety &amp; Health Administration) :</b> | 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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|                                     |                              |
|-------------------------------------|------------------------------|
| <b>UN-Number</b>                    |                              |
| <b>DOT, ADR, ADN, IMDG, IATA</b>    | Void                         |
| <b>UN proper shipping name</b>      |                              |
| <b>DOT, ADN, IMDG, IATA</b>         | Void                         |
| <b>ADR</b>                          | Void                         |
| <b>Transport hazard class(es)</b>   |                              |
| <b>DOT</b>                          |                              |
| <b>Class</b>                        | Void                         |
| <b>ADR, ADN, IMDG, IATA</b>         |                              |
| <b>Class</b>                        | Not restricted for transport |
| <b>Packing group</b>                |                              |
| <b>DOT, ADR, IMDG, IATA</b>         | Void                         |
| <b>Environmental hazards</b>        |                              |
| <b>Marine pollutant</b>             | No                           |
| <b>Special precautions for user</b> | Not applicable.              |
| <b>UN "Model Regulation"</b>        | 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:**

Danger

**Hazard statements:**

Causes serious eye damage.

**Precautionary statements:**

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.

**Chemical safety assessment:**

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