



Certificate No. : 6709-001

Shree Jay Ambe

Associated Finechem Pvt. Ltd.



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 orthosilicate

1 Identification

Product identifier

Trade name: Sodium orthosilicate

CAS Number: 13472-30-5

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 :13472-30-5

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

Appearance:	White graunal
Odor:	No data available
Odor threshold :	No data available
pH-value:	No data available
Change in condition	
Melting point/Melting range:	No data available



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

the 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

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