

MATERIAL SAFETY DATA SHEET**Product Name:** SODIUM METASILICATE**CAS No.:** 13517-24-3 **Version:** 0**1. Identification**

Product Code : 93104
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Corrosive to metals : Category 1
Skin corrosion : Category 1 B
Specific target organ toxicity - single exposure : Category 3

Labels elements

Hazard symbol



Signal word : Danger
Hazard statement : May be corrosive to metals.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Precautionary statement : Avoid breathing dust. Wear protective gloves/ protective clothing/ 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.
Supplemental Hazard Statements : None

3. Composition/information on ingredients

Ingredient : Disodium metasilicate

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Percent : '18.7-23.4%
Formula : Na₂O₃Si₂H₂O
Molecular Weight : 284.20 g/mol

4. First Aid Measures**Description of first aid measures**

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact : Wash off with soap and plenty of water. Consult a physician.
Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed : No data available
Treatment

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : 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 : Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions : Do not let product enter drains.

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Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

8. Exposure Controls / Personal Protection

Exposure limit : No data available

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Respiratory protection : Air-purifying respirators

Hand protection : Handle with gloves

Eye protection : Face shield and safety glasses

Skin and Body Protection : Complete suit protecting against chemicals

9. Physical and Chemical Properties

Appearance : White granules or granular powder

Odor : No data available

pH : 12.5 at 10 g/l at 20 °C

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Flash Point : No data available

Vapor pressure : No data available

Vapor density : No data available

Relative density : No data available

Solubility in water : No data available

Solubility (other) : 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

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Incompatible materials : Strong acids, Lead, Tin/tin oxides, Zinc, Aluminium
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Sodium oxides, silicon oxides

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available
Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

12. Ecological Information

Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available
Other adverse effects : No data available

13. Disposal consideration

Disposal instructions : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Dispose of as unused product.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3253	DISODIUM TRIOXOSILICATE	8	III	NO
IMDG	3253	DISODIUM TRIOXOSILICATE	8	III	NO
IATA	3253	DISODIUM TRIOXOSILICATE	8	III	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :**16/03/2017**Version : 0**

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