

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium dithionite**CAS No.:** 7775-14-6**Version:** 0**1. Identification**

Product Code : 93008
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Self-heating substances and mixtures : Category 1

Acute toxicity, Oral : Category 4

Labels elements

Hazard symbol

**Signal word** : Danger**Hazard statement** : Self-heating: may catch fire.
Harmful if swallowed.**Precautionary statement** : Keep cool. Protect from sunlight. In case of fire: Use dry powder or dry sand to extinguish.**Supplemental Hazard Statements** : Contact with acids liberates toxic gas.**3. Composition/information on ingredients**

Ingredient : Sodium dithionite
Sodium hypodisulfite
CAS No. : 7775-14-6
Percent : 85.0 - 87.0%
Formula : Na₂O₄S₂

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium dithionite**CAS No.:** 7775-14-6**Version:** 0**Molecular Weight** : 174.11g/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. Take victim immediately to hospital. Consult a physician.
- Eye contact** : Flush eyes with water as a precaution.
- Swallowed** : Do NOT induce vomiting. 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

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : Dry powder

Special hazards arising from the substance or mixture : Sulphur oxides, Sodium 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** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.**Methods and materials for containment and cleaning up** : Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local

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regulations (see section13). Do not flush with water. Keep in suitable, closed containers for disposal.

7. Handling and storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition
- No smoking. Take measures to prevent the buildup of electrostatic charge.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids.

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 crystalline powder.
- Odor** : No data available
- pH** : 7.0 - 9 at 50 g/l at 20 °C
- Melting point/freezing point** : 300 °C
- 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** : 2.500 g/cm³ at 20 °C
- Solubility in water** : No data available
- Solubility (other)** : No data available

10. Stability and Reactivity

- Reactivity** : No data available
- Chemical stability** : May decompose on exposure to air and moisture.

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Possibility of hazardous reactions : Stable under recommended storage conditions.
: No data available

Conditions to avoid : Do not allow water to enter container because of violent reaction.
: Avoid moisture. Heat

Incompatible materials : Strong oxidizing agents, acids, Water

Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. -
Sulphur oxides, Sodium 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.

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

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1384	SODIUM DITHIONITE	4.2	II	No
IMDG	1384	SODIUM DITHIONITE	4.2	II	No
IATA	1384	SODIUM DITHIONITE	4.2	II	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** :27/05/2016**Version** : 0

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