

ZONE

IMAGING

Zone Imaging Ltd.

Safety Data Sheet

Sodium Sulphite

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Sodium sulphite
Container size	1000g

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Preservative
Other uses	None

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier	Zone Imaging Ltd., Unit 6, 58b Alexandra Road, Enfield, London, EN3 7EH, UK www.zoneimaging-photochemicals.co.uk
Contact person	James Lane
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SECTION 2: Hazards identification
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2.1. Classification of the substance or mixture**Product definition:** Substance**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified for physical or health hazards.

2.2. Label elements**Pictograms** None**Signal word** None**Hazard statements** None**Precautionary statements** None**2.3. Other Hazards****Other hazards which do not result in classification** None

SECTION 3: Composition/information on ingredients
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3.1. Composition/information on ingredients

Substance name	Identifiers	% w/w	Hazards
Sodium sulphite	CAS# 7757-83-7 EC# 231-821-4	98%	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures**Inhalation** Fresh air.**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/ shower.**Eye contact** Rinse out with plenty of water. Remove contact lenses.**Ingestion** Make victim drink water (two glasses at most). Consult doctor if feeling unwell.**4.2. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Dry chemical powder

5.2. Special hazards arising from the substance or mixture

Specific risks None, this product is non-flammable nor explosive.

Hazardous combustion products Thermal decomposition emits toxic fumes of sulphur and sodium oxides.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

Special protective equipment In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions Do not allow to enter drainage system, surface or ground water. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Cover drains. Sweep up and shovel. Keep in suitable, closed containers for disposal. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Usage precautions Ensure there is exhaust ventilation of the area. For precautions, see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store tightly closed, away from light and in a cool area. Do not store near acids. Never allow product to get in contact with water during storage. Store at temperatures above 5°C. Store at temperatures not exceeding 25°C. Air and moisture sensitive.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection**8.1. Control parameters: Occupational exposure limits**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls Change contaminated clothing. Wash hands after working with substance.

Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

Skin protection Gloves - material: Nitrile rubber; minimum layer thickness: 0.11 mm; break through time: 480 min.

Respiratory protection Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	White powder
Odour	None
pH	9.0 - 10.5 at 126g/l
Melting point	500°C
Boiling point	>500°C
Flash point	Not applicable
Self-inflammability	Product is not self-igniting.
Danger of explosion	Product is not explosive.
Relative density	2.630
Water solubility	Miscible

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data available.
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10.2. Chemical stability

Stability	Stable under normal storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data available
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10.4. Conditions to avoid

Conditions to avoid	Air and moisture.
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10.5. Incompatible materials

Materials to avoid	Strong acids or oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: oxides of sulphur and sodium.
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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Toxicological effects	None.
Germ cell mutagenicity	The product contains no substances suspected of causing genetic defects.
Carcinogenicity	The product contains no carcinogenic substances.
Reproductive toxicity	No data available.
Specific target organ toxicity	STOT - single exposure: No data available. STOT – repeated exposure: No data available.
Acute and chronic health hazards	No data available

Acute toxicity		
LD/LC50 values that are relevant for classification:		
Oral	LD50	3560 mg/kg (rat)
Inhalation	LC50	4h >5500 mg/l (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	No data available.

11.2. Other information

Not applicable.

SECTION 12: Ecological Information**12.1. Toxicity**

No data available.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulation

Bioaccumulation No data available. Unlikely as product is soluble in water.

12.4. Mobility in soil

Mobility in soil

Product is soluble in water.

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.**12.6 Other adverse effects****Additional ecological information** Discharge into the environment must be avoided.**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal of product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of packaging

Dispose of as unused product. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

Not regulated for all modes of transportation.

UN Number (ADR/RID, IMDG, IATA)	N/A
UN Proper Shipping Name (ADR/RID, IMDG, IATA)	Not applicable
Transport Hazard Class(es) ADR/RID, IMDG, IATA	None
Packing group (ADR/RID, IMDG, IATA)	Not applicable
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional Information	Not dangerous according to the above specifications.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

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

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information**General information**

Zone Imaging Ltd believe the information and recommendations contained herein are based on correct and factual data. However, no express or implied guarantee or warranty of any kind is made with respect to this information. Use this information only to supplement other information you have gathered and then make an independent determination about the completeness and suitability of all information to ensure the proper use and disposal of this product and the health and safety of employees and customers.

Issued by

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Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord Européen sur le Transport des Marchandises Dangereuses par Route)

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EC: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration at which 50% of the animals will be expected to die.

LD50: Lethal dose at which 50% of the animals will be expected to die.

EC50: Effective concentration of test substance which results in a 50 percent reduction in either algae growth (EbC50) or algae growth rate (ErC50) or Daphnia immobilization.

Hazard statements in full

None