

# SAFETY DATA SHEET

# spectrum®



Revision date 21-June-2021

Revision Number 3

## 1. Identification

### Product identifier

**Product Name** SODIUM HYDROSULFITE, POWDER, TECHNICAL

### Other means of identification

**Product Code(s)** S1290

**UN/ID no** UN1384

**Synonyms** Sodium dithionite

### Recommended use of the chemical and restrictions on use

**Recommended use** No information available

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Supplier Address

Spectrum Chemical Mfg. Corp.  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

Serious eye damage/eye irritation	Category 2B
Specific target organ toxicity (single exposure)	Category 3
Self-heating substances and mixtures	Category 1

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

**Danger**

#### Hazard statements

Causes eye irritation  
May cause respiratory irritation  
Self-heating; may catch fire



**Appearance** Crystalline powder

**Physical state** Solid

**Odor** Slight Sulfurous

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep cool. Protect from sunlight  
Wear protective gloves/eye protection/face protection

#### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell

#### Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed  
Store locked up.  
Maintain air gap between stacks/pallets  
Store away from other materials

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Other information

May be harmful if swallowed. Reacts with water to evolve heat and poisonous and corrosive gases.

### 3. Composition/information on ingredients

#### Substance

**Synonyms** Sodium dithionite.

Chemical name	CAS No	Weight-%	Trade secret
Sodium Hydrosulfite	7775-14-6	100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

#### Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention if irritation develops and persists. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin contact** Wash skin with soap and water.

**Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Explosion data**

**Sensitivity to mechanical impact** none.

**Sensitivity to static discharge** none.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Moisture sensitive. Protect from moisture. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** If splashes are likely to occur, wear safety glasses with side-shields. None required for consumer use.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** Solid  
**Appearance** Crystalline powder  
**Color** White; Gray; light yellow  
**Odor** Slight Sulfurous  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	no data available	None known
Melting point / freezing point	52 °C / 125.6 °F	None known
Boiling point / boiling range	no data available	None known
Flash point	no data available	None known
Evaporation rate	no data available	None known
Flammability (solid, gas)	no data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	no data available	None known
Relative density	2.38	None known
Water solubility	Soluble in water	None known
Solubility(ies)	Slightly soluble in alcohol Insoluble in acids	None known
Partition coefficient	log Kow -4.7	None known
Autoignition temperature	no data available	None known
Decomposition temperature		None known
Kinematic viscosity	no data available	None known

Dynamic viscosity No data available None known

**Other information**

Explosive properties No information available  
Oxidizing properties No information available  
Softening point No information available  
Molecular weight 174.11 g/mol  
VOC Content (%) No information available  
Liquid Density No information available  
Bulk density No information available

**10. Stability and reactivity**

Reactivity No information available.  
Chemical stability Stable under recommended storage conditions.  
Possibility of hazardous reactions None under normal processing.  
Conditions to avoid None known based on information supplied.  
Incompatible materials None known based on information supplied.  
Hazardous decomposition products None known based on information supplied.

**11. Toxicological information**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.  
**Eye contact** Specific test data for the substance or mixture is not available. Causes eye irritation. May cause redness, itching, and pain.  
**Skin contact** Specific test data for the substance or mixture is not available.  
**Ingestion** May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** May cause redness and tearing of the eyes.

**Acute toxicity**

**Numerical measures of toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Hydrosulfite 7775-14-6	= 2500 mg/kg ( Rat )	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** May cause skin irritation.  
**Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.  
**Respiratory or skin sensitization** No information available.  
**Germ cell mutagenicity** No information available.

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	May cause respiratory irritation.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Other adverse effects</b>	No information available.
<b>Interactive effects</b>	No information available.

## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Hydrosulfite 7775-14-6	EC50: =120mg/L (72h, Desmodesmus subspicatus) EC50: =87mg/L (96h, Desmodesmus subspicatus)	46 - 68 mg/L LC50 Leuciscus idus 96 h static 1 63.2 mg/L LC50 Leuciscus idus 96h	107 mg/L EC50 17h	EC50: =98mg/L (48h, Daphnia magna Straus)

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	Inherently biodegradable.

<b>Other adverse effects</b>	No information available.
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## 13. Disposal considerations

### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
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<b>Contaminated packaging</b>	Do not reuse empty containers.
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## 14. Transport information

### DOT

<b>UNID no</b>	UN1384
<b>Proper Shipping Name:</b>	Sodium dithionite
<b>Hazard class</b>	4.2
<b>Packing group:</b>	II
<b>Special Provisions</b>	A19, A20, IB6, IP2, T3, TP33, W31
<b>Marine Pollutant</b>	Severe Marine Pollutant
<b>Description:</b>	UN1384, Sodium dithionite, 4.2, II
<b>Emergency Response Guide Number</b>	135

### TDG

<b>UN-No:</b>	UN1384
<b>Proper Shipping Name:</b>	Sodium dithionite
<b>Hazard class</b>	4.2
<b>Packing Group:</b>	II
<b>Description:</b>	UN1384, Sodium dithionite, 4.2, II

### MEX

<b>UN-No</b>	UN1384
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**Proper Shipping Name** Sodium dithionite  
**Hazard class** 4.2  
**Packing Group** II  
**Description** UN1384, Sodium dithionite, 4.2, II

**ICAO (air)**

**UN-No:** UN1384  
**Proper Shipping Name:** Sodium dithionite  
**Hazard class** 4.2  
**Packing Group:** II  
**Description:** UN1384, Sodium dithionite, 4.2, II

**IATA**

**UN number** UN1384  
**Proper Shipping Name:** Sodium dithionite  
**Transport hazard class(es)** 4.2  
**Packing group** II  
**Description:** UN1384, Sodium dithionite, 4.2, II

**IMDG**

**UN number** UN1384  
**Proper shipping name** Sodium dithionite  
**Transport hazard class(es)** 4.2  
**Packing group** II  
**EmS-No** F-A, S-J  
**Marine pollutant** NP1  
**Description** UN1384, Sodium dithionite, 4.2, II

**RID**

**UN number** UN1384  
**Proper Shipping Name:** Sodium dithionite  
**Transport hazard class(es)** 4.2  
**Packing group** II  
**Classification code** S4  
**Description:** UN1384, Sodium dithionite, 4.2, II  
**Labels** 4.2

**ADR**

**UN number** 1384  
**Proper Shipping Name:** Sodium dithionite  
**Transport hazard class(es)** 4.2  
**Packing group** II  
**Classification code** S4  
**Tunnel restriction code** (D/E)  
**Description:** 1384, Sodium dithionite, 4.2, II, (D/E)  
**Labels** 4.2

**ADN**

**UN/ID No** UN1384  
**Proper shipping name** Sodium dithionite  
**Transport hazard class(es)** 4.2  
**Packing Group** II  
**Classification code** S4  
**Description** UN1384, Sodium dithionite, 4.2, II  
**Hazard label(s)** 4.2  
**Limited quantity (LQ)** 0  
**Equipment Requirements** PP

**15. Regulatory information**

**International Inventories**

**TSCA** Complies

<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	This product complies with ENCS:
<b>IECSC</b>	This product complies with China:
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

**NFPA**

**Health hazards** 2

**Flammability** 0

**Instability** 0



Physical and chemical properties -

**HMIS**

Health hazards 2

Flammability 0

Physical hazards 0

Personal protection X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value		

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

**Revision date** 21-June-2021

**Revision Note** No information available.

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**