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## 1. Identification of the substance/preparation and of the company/undertaking

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**Product Name** SO-2216

**UN/ID No.** Not regulated

**Synonyms** None

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

**Recommended Use** Oxygen scavenger

**Uses advised against** No information available

### Supplier Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

### Emergency telephone number

Chemtrec 1-800-424-9300

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## 2. Hazards identification

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### Classification

**OSHA Regulatory Status**

**Serious Eye Damage/Irritation** Category 1

### Label Elements

**Signal word:** **Danger**

#### **Hazard Statements**

Causes serious eye damage.

#### **Precautionary Statements - Prevention**

Wear 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. Immediately call a POISON CENTER or doctor/physician.

#### **Precautionary Statements - Storage**

#### **Precautionary Statements - Disposal**

#### **Hazards not otherwise classified (HNOC)**

#### **Other Information**



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## 3. Composition/information on ingredients

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Chemical Name	CAS Number	% by Weight
Sodium metabisulfite	7681-57-4	10 - 15

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

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## 4. First aid measures

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#### **Eye contact**

Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

#### **Skin Contact**

Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

#### **Inhalation**

Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

#### **Ingestion**

Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

**Self-protection of the first aider**

Use recommended personal protective equipment to avoid contact with product.

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

Inhalation: May cause sore throat, shortness of breath, coughing. Eye: May irritation/burns. Skin: May cause irritation, itching. Ingestion: Oral exposure or swallowing may produce gastrointestinal upset. Sulfite sensitive individuals may experience a severe allergic reaction.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

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**5. Fire-fighting measures**

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**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

None known.

**Specific hazards arising from the chemical**

Thermal decomposition products may be hazardous. These include toxic and corrosive fumes of sulfur dioxide and sodium oxide.

**Hazardous combustion products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Releases sulfur dioxide at extremely high temperatures. Toxic fumes of sodium oxide. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Explosion Data**

**Sensitivity to mechanical impact** None

**Sensitivity to static discharge** None

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool fire exposed containers. Move containers from fire area if you can do it without risk.

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**6. Accidental release measures**

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

Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection equipment.

**Environmental precautions**

See Section 12 for additional ecological information.

**Methods for containment**

Completely contain spilled material with dikes or sand bags, etc.

**Methods for cleaning up**

Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal.

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**7. Handling and storage**

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**Precautions for safe handling****Advice on safe handling**

Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate ventilation.

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

Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

**Incompatible materials**

Acids, oxidizers (chlorine, oxygen, permanganates, perchlorates, percarbonates, peroxides, chromates, hypochlorites, nitric acid and sulfuric acid).

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Guideline

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metabisulfite 7681-57-4	5 mg/m3		

### Appropriate engineering controls

Showers  
Eyewash stations  
Ventilation systems

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

#### Eye/face protection

Wear protective splash proof safety goggles. Additional full face protection is recommended if splashing is a possibility.

#### Skin and body protection

For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure.

#### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Liquid
Color	Clear, colorless
Odor	Orderless
Odor threshold	No information available
pH	7.1 - 7.5
Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability upper limit in air	No information available
Flammability lower limit in air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.256 - 1.276
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	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

#### Incompatible materials

Acids, oxidizers (chlorine, oxygen, permanganates, perchlorates, percarbonates, peroxides, chromates, hypochlorites, nitric acid and sulfuric acid).

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Releases sulfur dioxide at extremely high temperatures. Toxic fumes of sodium oxide. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**11. Toxicological information****Information on likely routes of exposure****Product Information**

**Inhalation** Sulfite sensitive individuals may experience a severe allergic reaction.

**Eye contact** Irritating to eyes, may cause burns.

**Skin Contact** Contact with skin may result in irritation. Sulfite sensitive individuals may show signs of allergic contact dermatitis from repeated or prolonged skin exposure.

**Ingestion** Swallowing can result in nausea, vomiting, diarrhea and abdominal pain. May also cause allergic reactions in sulfite sensitive individuals.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metabisulfite 7681-57-4	1131 mg/kg (rat)	> 2000 mg/kg (rabbit)	

**Information on toxicological effects**

**Symptoms** Inhalation: May cause sore throat, shortness of breath, coughing. Eye: May irritation/burns. Skin: May cause irritation, itching. Ingestion: Oral exposure or swallowing may produce gastrointestinal upset. Sulfite sensitive individuals may experience a severe allergic reaction.

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

**Sensitization** No information available

**Germ cell mutagenicity** No information available

**Carcinogenicity** No information available

Chemical Name	ACGIH	IARC	NTP	OSHA

**Reproductive toxicity** No information available

**STOT - single exposure** No information available

**STOT - repeated exposure** No information available

**Aspiration hazard** No information available

**Numerical measures of toxicity - Product Information**

No information available

**12. Ecological information****Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium metabisulfite 7681-57-4	48 hour IC50 (algae): 48 mg/L	96 hour LC50: 150-220 mg/L	24 hour EC50 (water flea): 89 mg/L

**Persistence and degradability** No information available

**Bioaccumulation** No information available

**Other adverse effects** No information available

**13. Disposal considerations****Waste treatment methods**

**Disposal of wastes**

**Contaminated packaging**

Chemical Name	California Hazardous Waste Status

## 14. Transport information

DOT	Not regulated
UN/ID No.	Not regulated
Proper shipping name	Not applicable
Hazardous ingredients	Not applicable
Hazard class	Not applicable
Packing group	Not applicable

## 15. Regulatory information

### US Federal Regulations

#### SARA 311/312 Hazards

Serious Eye Damage/Irritation

#### 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)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
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### 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.

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
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### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards</b>	2	<b>Flammability</b>	0	<b>Instability</b>	0	<b>Physical and Chemical Properties</b>	
<b>HMIS</b>	<b>Health hazards</b>	2	<b>Flammability</b>	0	<b>Physical hazards</b>	0	<b>Personal protection</b>	X
<b>Prepared By</b>	L. Tipka							
<b>Issue Date</b>	2014-11-26							
<b>Revision Date</b>	2023-02-28							
<b>Revision Note</b>	2023-02-28 new format and review							

### Disclaimer

The information provided in this Material 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