

## 1. IDENTIFICATION

**Product Name** Sodium Metabisulfite  
**Recommended use** Fertilizer  
**Supplier** Valudor Products, Inc.  
 179 Calle Magdalena Suite 100  
 Encinitas CA 92024  
 (760) 635 9051  
**Emergency Telephone** 800-535-5053 (Infotrac)

## 2. HAZARD IDENTIFICATION

### Classification

This product is considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Eye damage/Irritation	Category 1
Acute Toxicity - oral	Category 4

### Label Elements

#### GHS Pictograms



#### Signal Word

#### Danger

#### Hazard Statements

Causes serious eye damage  
Harmful if swallowed

#### Precautionary Statements – Prevention

Wear eye protection/face protection  
Wash thoroughly after handling  
Do not eat, drink or smoke when using this product.

#### Response Ingestion

If swallowed: Call a poison center/doctor if you feel unwell  
Rinse mouth

#### Eye

IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

#### Disposal

Immediately call a poison center/doctor  
Dispose of contents/container in accordance with local/regional/national/international regulations

#### Hazards not other classified

Contact with acids liberates toxic gas

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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**Substance**

<b>Chemical Name</b>	Sodium Metabisulfite
<b>Synonym</b>	Disodium disulphite, Disulfurous acid, disodium salt
<b>Formula</b>	Na <sub>2</sub> O <sub>5</sub> S <sub>2</sub>
<b>Molecular weight</b>	190.11 g/mol
<b>Cas No.</b>	7681-57-4
<b>Concentration</b>	96.5-100%

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### 4. FIRST-AID MEASURES

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**First Aid Measures**

<b>Eye Contact</b>	Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do so. Keep eye wide open while rinsing. Continue rinsing for 15 minutes. Call a doctor/physician immediately
<b>Skin Contact</b>	Wash off immediately with plenty of water. Remove all contaminated clothes and shoes. If skin irritation persists, call a doctor/physician
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	If swallowed, give several glasses of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

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

<b>Symptoms</b>	No information available
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### 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing Media** Use any means suitable for extinguishing surrounding fire.

**Specific Hazards Arising from the chemical**

Hazardous combustion products	Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to: Sodium Oxides Sulfur Oxides
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**Protective equipment and precautions for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

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

<b>Personal precautions</b>	Avoid contact with eyes, skin and clothing. Avoid breathing
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vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation.

**Methods and materials for containment and cleanup**

**Methods for clean-up** Sweep or vacuum up and place in an appropriate closed container. Keep unauthorized personnel away. Avoid generating dust.

**Environmental Precautions** Prevent entry into waterways or sewers

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**7. HANDLING AND STORAGE**

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**Precautions for safe handling**

Do not breathe dust. Avoid contact with eyes, skin and clothing. Do not ingest. Wear eye/face protection. Do not use in areas without adequate ventilation. Use personal protective equipment recommended in section 8. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Clean equipment and work area regularly.

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

Store in a cool/low-temperature, well-ventilated, dry place. Keep containers closed and labeled when not in use.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Guidelines**

Component	Cas no.	ACGIH TLV	OSHA	NIOSH
Sodium Metabisulfite	7681-57-4	TWA: 5 mg/m3	-	TWA: 5 mg/M3

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the work place when designing controls and selecting personal protective equipment.

**Personal Protective Equipment**

**Eye/face protection** Use chemical safety goggles

**Skin protection** Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves. Wear long sleeved protective clothing

**Respiratory protection** Not required under normal circumstances. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

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**9. PHYSICAL and CHEMICAL PROPERTIES**

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<b>Appearance</b>	White powder
<b>Physical state</b>	Solid
<b>Odor</b>	Pungent
<b>Odor threshold</b>	No information available
<b>pH</b>	4.38
<b>Melting point / freezing point</b>	No Information available
<b>Boiling point / Boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	No information available
<b>Flammability or explosive limits</b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	1.4
<b>Solubility in water</b>	667 g/L @ 25C
<b>Partition coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available

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**10. STABILITY AND REACTIVITY**

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<b>Reactivity</b>	None known under normal conditions.
<b>Chemical stability</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	Avoid dust formation. Avoid moisture
<b>Incompatible materials</b>	Strong acids.
<b>Hazardous decomposition products</b>	Hazardous combustion can lead to the release of irritating gases and vapors.

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**11. TOXICOLOGICAL INFORMATION**

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**Information on likely routes of exposure**

<b>Skin contact</b>	May cause skin irritation
<b>Eye contact</b>	Causes serious eye damage
<b>Inhalation</b>	May cause irritation of respiratory tract
<b>Ingestion</b>	Harmful if swallowed

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

No information available

**Delayed and immediate effects and also chronic effects form short and long-term exposure**

<b>Skin damage/irritation</b>	Not classified
<b>Eye damage/irritation</b>	Causes serious eye damage
<b>Sensitization</b>	Not classified
<b>Mutagenic effects</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT – single exposure</b>	Not classified
<b>STOT – repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

**Acute Toxicity****Component information**

Component	Cas-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Metabisulfite	7681-57-4	1,540 mg/kg	> 2,000 mg/kg	> 5 mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Should not be released to environment

Component	Freshwater Fish	Freshwater Algae	Water Flea
Sodium Metabisulfite 7681-57-4	LC50: >100 mg/L 96 hr	EC50: 48.1 mg/L 72 hr	EC50: 88.76 mg/L 48 hr

**Persistence and degradability** No information available

**Bioaccumulative potential** No information available

**Mobility in soil** No information available

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated  
**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

**US Federal Regulations**

**TSCA section 12(b) Export Notification**

Not regulated

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).  
Not applicable

**SARA 311/312 Hazard Categorization**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Pressure	No
Reactivity	No

**CERCLA/SARA 302 & 304**

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Not applicable

**CWA (Clean Water Act)**

Not applicable

**16. OTHER INFORMATION**

**NFPA Ratings**      Health: 3                      Flammability: 0                      Reactivity: 1

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Revision Number: 1.0

Revision Information    Creation

**Disclaimer**

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