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## Material Safety Data Sheet

Section 1. Product and Identification		
Common name:	<b>Sodium Selenite</b>	
Synonyms:	Not Available.	
Molecular formula:	<b>Na<sub>2</sub>SeO<sub>3</sub></b>	
Molecular Weight:		
CAS #:	10102-18-8	
In case of emergency:		
Chemtrec (24hr)	(800) 424-9300	
Supplier:	AerChem Inc. 320 N. Walnut St. Bloomington, IN 47404 U.S.A.	phone: (812) 334-9996 fax: (812) 334-1960 <a href="http://www.aerchem.com">http://www.aerchem.com</a>

### Section 2. Composition and Informaion on Ingredients

Name	CAS #	% by Weight
Sodium Selenite	10102-18-8	100

<b>Toxicological Data on Ingredients</b>	Sodium Selenite ORAL (LD50): Acute: 7 mg/kg (rat)
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### Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Extremely dangerous in case of ingestion. Very dangerous in case of skin contact (irritant), of inhalation. Slightly dangerous to dangerous in case of eye contact (irritant). Very slightly to slightly dangerous in case of skin contact (permeator). Severe over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
<b>Potential Chronic Health Effects</b>	<b>CARCINOGENIC EFFECTS:</b> Not Available. <b>MUTAGENIC EFFECTS:</b> Not Available. <b>TERATOGENIC EFFECTS:</b> Not Available. This substance is toxic to blood, kidneys, lungs, the nervous system, liver. Toxicity of the product to the reproductive system: Not Available. Repeated or prolonged exposure to the substance can produce target organ damages. Repeated exposure to an highly toxic material may produce general deter-

ioration of health by an accumulation in one or many human organs.

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or reproductive harm.

<b>Section 4. First Aid Measures</b>	
<b>Eye contact:</b>	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelide open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.
<b>Skin contact:</b>	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as hands: Gently and thoughtly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Serious Skin contact:</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
<b>Inhalation:</b>	Allow victim to rest in a well ventilated area. Seek immediate medical attention.
<b>Serious Inhalation:</b>	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
<b>Ingestion:</b>	Remove dentures if any. Watch for an obstruction in the victim's mouth. Remove if possible what is causing the obstruction but do not force fingers or a hard object between victim's teeth. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Seek immediate medical attention.

<b>Section 5. Fire-Fighting Measures</b>	
<b>Flash point:</b>	N/A
<b>Explosion Limits</b>	not found
<b>Flammability:</b>	Lower: 3.6% Upper: 29%
<b>Extinguishing Media</b>	Use water spary, carbon dioxide, dry chemical powder, and foam for fires involving this material. DO NOT use water jet.
<b>Fire &amp;Explosion Hazard:</b>	N/A

<b>Section 6. Accidental Release Measures</b>	
<b>Stepstaken for a Spill:</b>	Sweep up, place in a container and hold for waste disposal. Ventilate area and neutralize residue with a dilute solution of sodium carbonate if necessary.
<b>Waste Disposal Method:</b>	Discard any waste product, residue, disposable container, liner or spilled material in an environmentally acceptable manner that is in full compliance with all applicable national and local laws and regulations. Burn in a chemical incinerator equipped with an afterburner and scrubber. When this material is liquid, it is better ot neutralize its chemical nature by using a dilute solution of sodium carbonate.

<b>Section 7. Handling and Storage</b>	
<b>Handling:</b>	Avoid eye, skin, and clothing contact and ingalation of this material as dust. This material may cause eye, skin, and respiratory irritaion. Persons

susceptible to allergies must not handle this material. Do not inhale this material dust. Wash hands thoroughly after handling. Avoid prolonged exposure.

**Storage:**

Store in closed containers in a cool, dry, and well-ventilated area away from heat, all sources of ignition, and light. Keep tightly closed.

**Section 8. Exposure Controls**

**Ventilation:**

Local exhaust system

**Eye protection:**

Wear close-fitting chemical safety goggles.

**Skin protection:**

Avoid prolonged exposure. Use rubber gloves and clothing protection.

**Respiratory protection:**

Wear NIOSH approved respirators to protect from airborne dust.

**Section 9. Physical and Chemical Properties**

<b>Molecular weight:</b>	192.12 g/mol
<b>Appearance and odor:</b>	N/A
<b>pH:</b>	1 (acidic)
<b>Vapor pressure:</b>	0 mmHg (20°C)
<b>Boiling point:</b>	decomposes
<b>Melting point:</b>	153°C
<b>Solubility:</b>	Easily soluble in water.

**Section 10. Stability and Reactivity**

Chemically **Stable**.  
Avoid open flame and sources of ignition.  
Hazardous Polymerization **does not occur**.

**Section 11. Transportation Information**

Not a DOT controlled Substance