

SODIUM SELENITE

SSE

CAUTIONARY RESPONSE INFORMATION			4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Synonyms Disodium selenite Selenious acid, disodium salt	Solid Mixes with water.	White to pink	<p>4.1 Flash Point: Not flammable</p> <p>4.2 Flammable Limits in Air: Not flammable</p> <p>4.3 Fire Extinguishing Agents: Not pertinent</p> <p>4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent</p> <p>4.5 Special Hazards of Combustion Products: Emits toxic NaO and Se dusts when heated to decomposition.</p> <p>4.6 Behavior in Fire: Decomposes at elevated temperatures (>320°C).</p> <p>4.7 Auto Ignition Temperature: Not pertinent</p> <p>4.8 Electrical Hazards: Currently not available</p> <p>4.9 Burning Rate: Not flammable</p> <p>4.10 Adiabatic Flame Temperature: Currently not available</p> <p>4.11 Stoichiometric Air to Fuel Ratio: Not pertinent.</p> <p>4.12 Flame Temperature: Currently not available</p> <p>4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent.</p> <p>4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p>	<p>7.1 Grades of Purity: Se-44% to 46.5% Total metallic impurities-0.02% to 0.1%</p> <p>7.2 Storage Temperature: Cool</p> <p>7.3 Inert Atmosphere: Currently not available</p> <p>7.4 Venting: Currently not available</p> <p>7.5 IMO Pollution Category: Currently not available</p> <p>7.6 Ship Type: Currently not available</p> <p>7.7 Barge Hull Type: Currently not available</p>
Fire	Keep people away. Avoid contact with solid and dust. Wear goggles, self-contained breathing apparatus, and rubber overclothing (including gloves). Notify local health and pollution control agencies. Protect water intakes.			8. HAZARD CLASSIFICATIONS
Exposure	Not flammable. POISONOUS GASES MAY BE PRODUCED IN FIRE. Wear goggles, self-contained breathing apparatus, and rubber overclothing (including gloves).			<p>8.1 49 CFR Category: Poison</p> <p>8.2 49 CFR Class: 6.1</p> <p>8.3 49 CFR Package Group: II</p> <p>8.4 Marine Pollutant: No</p> <p>8.5 NFPA Hazard Classification: Not listed</p> <p>8.6 EPA Reportable Quantity: 100 pounds</p> <p>8.7 EPA Pollution Category: B</p> <p>8.8 RCRA Waste Number: Not listed</p> <p>8.9 EPA FWPCA List: Yes</p>
Water Pollution	CALL FOR MEDICAL AID. DUST OR SOLID. POISONOUS IF INHALED OR SWALLOWED. Irritating to skin and eyes. Move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.			9. PHYSICAL & CHEMICAL PROPERTIES
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge		2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: Na ₂ SeO ₃ 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: 2630 2.5 CAS Registry No.: 10102-18-8 2.6 NAERG Guide No.: 151 2.7 Standard Industrial Trade Classification: 52499		
3. HEALTH HAZARDS				
<p>3.1 Personal Protective Equipment: Wear a respirator or dust mask, safety glasses or chemical goggles, and protective clothing (including gloves) to avoid skin contamination.</p> <p>3.2 Symptoms Following Exposure: INHALATION OR INGESTION: Nervousness and fear followed by vomiting, then quietness and somnolence. Respiration becomes difficult, dyspnea develops, followed by opisthotonus, tetanic spasms, colonic spasm, falling blood pressure, and respiratory failure. EYES: Can cause severe damage. SKIN: Severe irritation may occur.</p> <p>3.3 Treatment of Exposure: Call a physician. INHALATION: Follow "general procedures" for poisons. EYES: Wash with water. SKIN: Wash with copious amounts of water. INGESTION: Induce vomiting until vomit is clear, follow with gastric lavage and saline cathartics.</p> <p>3.4 TLV-TWA: Not listed.</p> <p>3.5 TLV-STEL: Not listed.</p> <p>3.6 TLV-Ceiling: Not listed.</p> <p>3.7 Toxicity by Ingestion: Grade 4; LD₅₀ below 50 mg/kg.</p> <p>3.8 Toxicity by Inhalation: Currently not available.</p> <p>3.9 Chronic Toxicity: A suspected carcinogen. Chronic exposure can cause gastrointestinal disorders, nervousness, pallor, coated tongue, and a garlicky odor of the breath. Liver and spleen damage, emaciation, apathy, and progressive anemia.</p> <p>3.10 Vapor (Gas) Irritant Characteristics: Currently not available</p> <p>3.11 Liquid or Solid Characteristics: Fairly severe skin irritant. May cause pain and second-degree burns after a few minutes contact.</p> <p>3.12 Odor Threshold: Currently not available</p> <p>3.13 IDLH Value: Not listed.</p> <p>3.14 OSHA PEL-TWA: Not listed.</p> <p>3.15 OSHA PEL-STEL: Not listed.</p> <p>3.16 OSHA PEL-Ceiling: Not listed.</p> <p>3.17 EPA AEGL: Not listed</p>	5. CHEMICAL REACTIVITY			
	<p>5.1 Reactivity with Water: No reaction</p> <p>5.2 Reactivity with Common Materials: Currently not available</p> <p>5.3 Stability During Transport: Stable</p> <p>5.4 Neutralizing Agents for Acids and Caustics: Currently not available</p> <p>5.5 Polymerization: Not pertinent</p> <p>5.6 Inhibitor of Polymerization: Not pertinent</p>			9.1 Physical State at 15° C and 1 atm: Solid
	6. WATER POLLUTION			9.2 Molecular Weight: 172.95 (anhydrous salt) 263.01 (pentahydrate)
	<p>6.1 Aquatic Toxicity: 10 ppm/98-144 hours/Goldfish/toxic/hard water 10 to 100 ppm/96-hour/Fathead minnow/LC₅₀ 0.9 to 1 ppm/96-hour/Daphnia magna/LC₅₀</p> <p>6.2 Waterfowl Toxicity: Currently not available</p> <p>6.3 Biological Oxygen Demand (BOD): Currently not available</p> <p>6.4 Food Chain Concentration Potential: Positive. Concentration factors for Se-marine and freshwater plants 800, invertebrates and fish 400.</p> <p>6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 3 Human Oral hazard: 4 Human Contact hazard: II Reduction of amenities: XXX</p>			9.3 Boiling Point at 1 atm: Decomposes
				9.4 Freezing Point: Decomposes
				9.5 Critical Temperature: Currently not available
				9.6 Critical Pressure: Currently not available
				9.7 Specific Gravity: Currently not available
				9.8 Liquid Surface Tension: Not pertinent
				9.9 Liquid Water Interfacial Tension: Not pertinent
				9.10 Vapor (Gas) Specific Gravity: (calculated) Anhydrous salt - 5.96 Pentahydrate - 9.07
				9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available
				9.12 Latent Heat of Vaporization: Currently not available
				9.13 Heat of Combustion: Not pertinent
				9.14 Heat of Decomposition: Currently not available
				9.15 Heat of Solution: Currently not available
				9.16 Heat of Polymerization: Not pertinent
				9.17 Heat of Fusion: Currently not available
				9.18 Limiting Value: Currently not available
				9.19 Reid Vapor Pressure: Currently not available
NOTES				

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
NOT PERTINENT	NOT PERTINENT	NOT PERTINENT	NOT PERTINENT	NOT PERTINENT	NOT PERTINENT	NOT PERTINENT	NOT PERTINENT

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
62	53.700		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE