
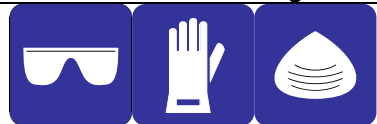


<b>NFPA</b> 	<b>HCS Risk Phrases</b> <b>HCS CLASS:</b> R34 Causes burns R37 Irritation to respiratory system	<b>Protective Clothing</b> 
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### Section I. Chemical Product and Company Identification

Common Name/ Trade Name	<b>SODIUM METASILICATE ANHYDROUS</b>	Revision Date: 8-23-06
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON ROAD MESQUITE, TX 75149 (972) 285-5471 (800) 955-1323	In Case of Emergency. (800) 424-9300 Week Days: (972) 285-5471 (800) 955-1323

Chemical Family Alkaline Salt

### Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Sodium Metasilicate, Anhydrous	6834-92-0	>97%	None listed	LD <sub>50</sub> = 600-1350 mg/kg (oral, rat)

### Section III. Hazards Identification

Emergency overview	Corrosive. May be harmful if swallowed or inhaled. Material is extremely destructive to tissue of mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may be fatal.
Eye contact	Extremely destructive to tissues.
Skin	Extremely destructive to tissues.
Inhalation	May be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
Ingestion	Extremely destructive to mucous membranes.
Effects of Overexposure	Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

### Section IV. First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention immediately.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Discard contaminated shoes.
Inhalation	Remove to fresh air. Support breathing with oxygen or artificial respiration. Get medical attention immediately.
Ingestion	Wash mouth with water if person is conscious. Get medical attention immediately.

### Section V. Fire and Explosion Data


Flammability of the Product	Not considered to be a fire hazard.
Explosion	Noncombustible.
Fire Fighting Media and Instructions	Use any means suitable for extinguishing surrounding fire. Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece and full protective clothing to prevent skin and eye contact.
Unusual Fire Hazard	Emits toxic fumes under fire conditions.

### Section VI. Accidental Release Measures

Leak/Spill	Evacuate area. Wear NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Do not allow to enter drains or water courses.
Disposal	Bury in landfill site approved for disposal of chemical and hazardous wastes.

### Section VII. Handling and Storage

**SODIUM METASILICATE ANHYDROUS**

Handling	Wash thoroughly after handling. Avoid contact with skin and eyes and prolonged or repeated exposure.																		
<b>Section VII. Handling and Storage (cont.)</b>																			
Storage	Keep in a tightly closed container. Store in a cool, dry, ventilated area away from acids and incompatibles. Protect packaging from freezing, rain, or direct sun. Material is hygroscopic.																		
<b>Section VIII. Exposure Controls/Personal Protection</b>																			
Engineering Controls	Use adequate ventilation to prevent formation of or exposure to dust.																		
Personal Protection	To protect skin, wear protective gloves and clean body-covering clothing. To protect eyes, wear safety glasses and maintain eye wash fountain and quick-drench facilities in work area. Wear an appropriate NIOSH/MSHA approved respirator.																		
<b>Section IX. Physical and Chemical Properties</b>																			
Physical state and Appearance	White granules, hygroscopic	Odor:	Odorless																
		Color:	White																
Melting Point	1089°C																		
pH	12.7																		
Solubility	Complete																		
<b>Section X. Stability and Reactivity Data</b>																			
Stability	Stable																		
Conditions to Avoid	Avoid prolonged contact with ambient air; hygroscopic behavior may induce formation of lumps. Avoid contact in concentrated form with acids.																		
Incompatibility with Various Substances	Halogens, strong acids, aluminum, zinc, tin, copper, and their alloys.																		
Hazardous Decomposition Products	Can form hydrogen if brought in contact with the above incompatible materials, causing a risk for explosion. Exothermic reaction with acids.																		
<b>Section XI. Toxicological Information</b>																			
Routes of Entry	Eye contact, skin contact, inhalation, ingestion.																		
Toxic Effects on Humans	Irritating to respiratory system, corrosive to skin and eyes. May cause serious damage to eyes unless treated immediately.																		
<b>Section XIV. Transport Information</b>																			
DOT Classification	8																		
Proper Shipping Name	Disodium Trioxosilicate																		
DOT Identification Number	UN3253																		
Packing group	III																		
DOT (Pictograms)																			
<b>Section XV. Other Regulatory Information and Pictograms</b>																			
Other Classifications	WHMIS (Canada)	Classification:	E																
	Canadian DSL Inventory Status	CAS# 6834-92-0 is found on Canada's DSL Inventory List.																	
HMIS (U.S.A.)	<table border="1"> <tr><td>3</td><td>HEALTH</td></tr> <tr><td>0</td><td>FLAMMABILITY</td></tr> <tr><td>0</td><td>REACTIVITY</td></tr> <tr><td>1</td><td>PROTECTIVE EQUIPMENT</td></tr> </table>	3	HEALTH	0	FLAMMABILITY	0	REACTIVITY	1	PROTECTIVE EQUIPMENT	National Fire Protection Association (U.S.A.)	<table border="1"> <tr><td>3</td><td>HEALTH</td></tr> <tr><td>0</td><td>FIRE HAZARD</td></tr> <tr><td>0</td><td>REACTIVITY</td></tr> <tr><td>0</td><td>SPECIFIC HAZARD</td></tr> </table>	3	HEALTH	0	FIRE HAZARD	0	REACTIVITY	0	SPECIFIC HAZARD
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<b>Section XVI. Other Information</b>																			
<u>Notice to Reader</u>																			
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