

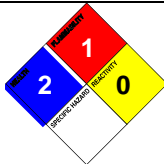


NFPA 	HCS Risk Phrases HCS CLASS: Irritating substance	Protective Clothing 
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Section I. Chemical Product and Company Identification				
Common Name/ Trade Name	SODIUM FORMATE			Revision Date: 11-27-06
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON 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	Organic acid			
Section II. Composition and Information on Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Sodium Formate	141-53-7	≥99%	None established	LD ₅₀ = 11,200 mg/kg (oral, mouse)
Section III. Hazards Identification				
Emergency overview	Harmful if swallowed or inhaled. Causes irritation to skin, eyes, and respiratory tract.			
Eye contact	Causes irritation, redness, and pain.			
Skin	Causes irritation to skin. Symptoms include redness, itching, and pain.			
Inhalation	Inhalation of dust can irritate the respiratory tract with symptoms of sore throat, coughing, and shortness of breath.			
Ingestion	Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea.			
Section IV. First Aid Measures				
Eye Contact	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek medical attention immediately.			
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.			
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.			
Ingestion	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.			
Section V. Fire and Explosion Data				
General information	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.			
Extinguishing Media	Use any means suitable for extinguishing surrounding fire.			
Section VI. Accidental Release Measures				
Leak/Spill	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. For spills, sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.			
Section VII. Handling and Storage				
Handling	Observe all warnings and precautions listed for the product.			
Storage	Store in a tightly closed container. Store in a cool, dry, well-ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues.			

Section VIII. Exposure Controls/Personal Protection									
Engineering Controls	Use adequate ventilation to keep airborne concentrations low.								
Personal Protection	Wear appropriate protective gloves and protective clothing to prevent skin exposure. Wear appropriate protective eyeglasses or chemical safety goggles. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.								
Section IX. Physical and Chemical Properties									
Physical state and Appearance	Granules or crystalline powder								
	Odor Odorless to slight formic acid odor.								
	Color White, deliquescent								
Density	1.92 @ 20°C								
	Melting Point 253°C (487°F)								
pH	7.0-8.5								
	% Volatiles by Volume @ 21°C 0.5								
Solubility	97 g/100 g water @ 20°C								
Section X. Stability and Reactivity Data									
Chemical Stability	Hygroscopic. Readily absorbs moisture from the air. Solutions are strong bases.								
Incompatibility with Various Substances	Reacts with strong acids to form formic acid fumes.								
Hazardous Decomposition Products	At higher temperatures, substance decomposes into sodium oxalate and hydrogen, then into sodium carbonate. Carbon dioxide and carbon monoxide may form when heated to decomposition.								
Section XI. Toxicological Information									
Primary Routes of Exposure	Skin contact, eye contact, inhalation, ingestion								
Toxic Effects on Humans	May cause eye and skin irritation. May cause respiratory tract irritation. May cause irritation of the digestive tract.								
Section XIII. Disposal Considerations									
Disposal	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements.								
Section XIV. Transport Information									
DOT Classification	Not regulated.								
Section XV. Other Regulatory Information and Pictograms									
Other Classifications	WHMIS (Canada) Canadian DSL Inventory Status								
	Classification D2A This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.								
HMIS (U.S.A.)	<table border="1"> <tr> <td>2</td> <td>HEALTH</td> </tr> <tr> <td>1</td> <td>FLAMMABILITY</td> </tr> <tr> <td>0</td> <td>REACTIVITY</td> </tr> <tr> <td>e</td> <td>PROTECTIVE EQUIPMENT</td> </tr> </table>	2	HEALTH	1	FLAMMABILITY	0	REACTIVITY	e	PROTECTIVE EQUIPMENT
2	HEALTH								
1	FLAMMABILITY								
0	REACTIVITY								
e	PROTECTIVE EQUIPMENT								
	National Fire Protection Association (U.S.A.)								
	Health								
									
	Fire Hazard								
	Reactivity								
	Specific Hazard								
Section XVI. Other Information									
Notice to Reader	The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.								