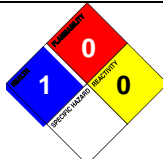
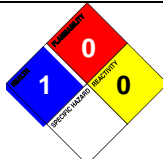
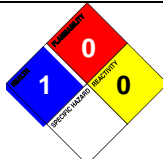


NFPA 	HCS Risk Phrases HCS CLASS: Not Regulated	Protective Clothing
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Section I. Chemical Product and Company Identification				
Common Name/ Trade Name	L (+) Tartaric Acid		Revision Date: May 10, 2005	
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON 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			
Material Uses	Oilfield Cement Retarder			
Section II. Composition and Information on Ingredients				
Name	CAS # 87-69-4	% by Weight	TLV/PEL	LC₅₀/LD₅₀
Section III. Hazards Identification				
Emergency overview	May cause sensitization if inhaled by hypersensitive individuals. No acute health effects are known for this material, but good safety practices, such as gloves, safety glasses, and respiratory protection, should be followed. Avoid breathing dust. If airborne exposure is excessive, wear NIOSH/MSHA approved respirator. This product contains crystalline silica that may cause silicosis and cancer.			
Chronic exposure	Repeated or prolonged exposure may cause allergic reaction to sensitive individual. Allergy may develop with repeated exposures.			
Notes to Physician	Treat symptomatically and supportively			
Section IV. First Aid Measures				
Eye Contact	Do not rub eyes. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention if irritation persist.			
Skin Contact	If the chemical got onto the clothed portion of the body, remove the contaminated clothes, and shower. If the chemical touches exposed skin, such as the hands: Gently and thoroughly wash contaminated skin with running water and non-abrasive soap. COLD water may be used. If irritation persists, seek medical attention.			
Inhalation	Immediately go to a well-ventilated area and rest. Seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing give artificial respiration.			
Ingestion	Remove material from mouth and rinse with water. Do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water. Seek immediate medical attention.			
Section V. Fire and Explosion Data				
Flammability of the Product	This material is not considered flammable or combustible.			
Explosion Hazards in Presence of Various Substances	Release of oxides of carbon.			
Fire Fighting Media and Instructions	Use any means suitable for extinguishing surrounding fire. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece.			
Section VI. Accidental Release Measures				
Leak/Spill	Ventilate area of leak or spill. Clean-up personnel require goggles and MSHA/NIOSH respiratory protection for dust and organic vapors. Pick-up spill in a manner which does not create dust and place in a suitable container for reclamation or disposal in a method that does not generate dust.			
Disposal	Whatever can not be saved for reclamation may be disposed by following local, state and federal regulations.			

Section VII. Handling and Storage												
Handling	Store in a cool dry place, keep away from heat. Keep away from sources of ignition. Keep away from combustible materials. Avoid breakage of the material. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents and reducing agents...											
Storage	Keep in a tightly closed container, stored in a dry, ventilated area.											
Section VIII. Exposure Controls/Personal Protection												
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit.											
Personal Protection	Splash goggles. Dust mask or respirator are not necessary in areas with adequate ventilation. Be sure to use a MSHA/NIOSH approved respirator when ventilation is inadequate.											
Personal Protection in Case of a Large Spill	A self-contained breathing apparatus should be used to avoid inhalation of the product.											
Section IX. Physical and Chemical Properties												
Physical state and Appearance	solid granules odor: Mild color: White											
Specific gravity (H ₂ O=1)	1.7-1.8											
pH (1% slurry in water)	2.3											
Solubility	Soluble											
Section X. Stability and Reactivity Data												
Stability	The product is stable under ordinary conditions of use and storage.											
Incompatibility with various substances	Reactive with reducing agents and oxidizing agents.											
Special Remarks on Reactivity	Hazardous decomposition products: Oxides of carbon.											
Section XI. Toxicological Information												
Routes of Entry	Inhalation, and ingestion.											
Toxic Effects on Humans	Irritant in case of eye contact and inhalation. Irritant in case of skin contact and ingestion.											
Special Remarks on other Toxic Effects on Humans	None Known											
Section XIV. Transport Information												
DOT Classification	NOT RESTRICTED											
Section XV. Other Regulatory Information and Pictograms												
Other Classifications	WHMIS (Canada) DSCL (EEC)											
HMIS (U.S.A.)	<table border="0"> <tr> <td style="background-color: blue; color: white; padding: 2px;">1 HEALTH</td> <td rowspan="4" style="vertical-align: middle; padding: 0 10px;">National Fire Protection Association (U.S.A.)</td> <td rowspan="4" style="vertical-align: middle; padding: 0 10px;">Health</td> <td rowspan="4" style="text-align: center;">  </td> <td style="padding: 2px;">Fire Hazard</td> </tr> <tr> <td style="background-color: red; color: white; padding: 2px;">0 FLAMMABILITY</td> <td style="padding: 2px;">Reactivity</td> </tr> <tr> <td style="background-color: yellow; color: black; padding: 2px;">0 REACTIVITY</td> <td style="padding: 2px;">Specific Hazard</td> </tr> <tr> <td style="background-color: white; color: black; padding: 2px;">(e) PROTECTIVE EQUIPMENT</td> <td></td> </tr> </table>	1 HEALTH	National Fire Protection Association (U.S.A.)	Health		Fire Hazard	0 FLAMMABILITY	Reactivity	0 REACTIVITY	Specific Hazard	(e) PROTECTIVE EQUIPMENT	
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TDG (Canada)												
Section XVI. Other Information												
Notice to Reader												
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