



NFPA 	HCS Risk Phrases HCS CLASS: Highly toxic-Crystalline Silica.	Protective Clothing 
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Section I. Chemical Product and Company Identification		
Common Name/ Trade Name	Fritz KHumate	Creation Date: September 20, 2001
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	Potassium Humate	
Material Uses	Additive	

Section II. Composition and Information on Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Potassium Humate		<20%	N/E	N/E
Potassium Hydroxide	1310-58-3	<1	2 mg/m ³ /2 mg/m ³	ORAL(LD50) mg/kg: Acute: 273 (Rat).
Crystalline silica (quartz)	14808-60-7	<1	0.1 mg/m ³ /0.1 mg/m ³	ORAL(LD50) mg/kg: Acute: 3,160 (Rat).

Section III. Hazards Identification	
Emergency Overview and Potential Health Effects	This product is mildly caustic, care should be taken not to allow contact to eyes, skin and clothing. This product contains crystalline silica that may be released upon drying. If dried, avoid breathing dust. Crystalline silica may cause silicosis and cancer. Avoid breathing dust. If airborne exposure is excessive, wear NIOSH/MSHA approved respirator.
Eyes	Frequent or prolonged contact may irritate eyes. Eye irritation may be moderate. Prolonged or repeated eye contact may cause conjunctivitis.
Skin	Frequent or prolonged contact may irritate skin. . Prolonged or repeated skin contact may cause dermatitis.
Inhalation	May irritate nose, throat and lungs
Ingestion	May cause abdominal pain, nausea and vomiting.

Section IV. First Aid Measures	
Eye Contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. Seek immediate medical attention if irritation persists.
Skin Contact	IMMEDIATELY remove contaminated clothing and shoes. Wash skin with soap and water for at least 15 minutes. Seek immediate medical attention if irritation persists. Wash clothing and shoes before reuse.
Inhalation	If inhaled, go to a well-ventilated area and rest. If irritation persists, seek immediate medical attention.
Hazardous Inhalation	Move individual to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the individual is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	Wash out mouth with water. Dilute by giving one to two glasses of water immediately. Do not induce vomiting. Seek immediate medical attention.

Section V. Fire and Explosion Data	
Flammability of the Product	This product is not flammable or combustible, but upon drying will burn.
Unusual Fire Explosion Hazard	No known explosion hazards
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. Stability and Reactivity Data	
Stability	The product is stable under normal temperatures and pressures
Reactivity	Material is mildly corrosive.
Incompatibility with various substances	Acids
Hazardous Decomposition Products	Upon burning, oxides of carbon (CO and CO ₂) and sulfur (SO ₂), and hydrocarbons
Hazardous Polymerization	This substance does not polymerize




Section VII. Accidental Release Measures	
Leak/Spill	Isolate hazard area and deny entry to unnecessary or unprotected personnel. Require personnel to wear goggles, and respiratory protection. Collect spill by diluting with water and absorbing with an absorbent.
Disposal	Following local, state and federal regulations for disposal.

Section VIII. Handling and Storage	
Handling	Avoid contact with skin, eyes and clothing. In cases of drying the product, wear suitable respiratory equipment if insufficient ventilation. If you feel unwell, seek medical attention and show the label when possible.
Storage	Keep stored in a cool, dry, and ventilated area.

Section IX. 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 Work, Hygienic Practices	Splash goggles. Gloves. Apron Safety showers and/or eye wash station should be available in work area. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

Section X. Physical and Chemical Properties		
Physical state and Appearance	Opaque liquid	odor: faint organic color: black
Boiling point(°F)	212	
Specific gravity (H ₂ O = 1)	1.08	
pH	9 – 10.5	
Solubility	soluble in water	

Section XII. Transport Information	
DOT Shipping Name	Not Restricted
UN Number	
DOT Hazard Class	
Product label	
DOT (Pictograms)	

Section XIII. Other Regulatory Information and Pictograms			
Other Classifications	WHMIS (Canada) DSCL (EEC)	Class D-2A Material causing other toxic effects (crystalline silica) R26/28 – Very toxic by inhalation- crystalline silica	
HMIS (U.S.A.)		National Fire Protection Association (U.S.A.) Health	 Fire Hazard Reactivity Specific Hazard
WHMIS (Canada)			

Section XVI. Other Information
<p><u>Notice to Reader</u> 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.</p>