



Material Safety Data Sheet

NFPA	HCS Risk Phrases	Protective Clothing
	Not controlled under the HCS (United States)	Safety Glasses Lab Coat Respirator

Section I. Chemical Product and Company Identification

Trade Name	Standard Delayed Set / Mini Delayed Set
Supplier/Manufacturer:	FRITZ-PAK CORPORATION 4821 Eastover Circle Mesquite, TX 75149 U.S.A. Tel: 214-221-9494 Fax: 214-349-3182
Chemical Name	Modified Lignosulfonate
Last Update: 03/01/2014	Material Uses Industrial Applications: Concrete Additives

Section II. Composition and Information on Ingredients for Personal Protection

Name	CAS #	% By Weight	TLV / PEL	LC ₅₀ /LD ₅₀
Calcium Lignosulphonate	8061-52-7	90	n/a	>15,000 mg/kg
Water	7732-18-5	10		

Section III. Hazards Identification

Potential Acute Health Effects	No specific information is available in our database regarding the other toxic effects of this material for humans.
Potential Acute Health And Chronic Effects	Very slightly to slightly dangerous in case of skin contact (irritant), eye contact (irritant), inhalation. CARCINOGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. Toxicity of the product to the reproductive system: Not available.

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.
Skin Contact	Rinse with water.
Inhalation	Allow the individual to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	Remove dentures if any. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not re-enter the mouth or throat. NEVER give an unconscious person anything to ingest. Seek medical attention.

Section V. Fire and Explosion Data - Non-Flammable

Section VI. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Our database contains no additional information in case of a spill and/or a leak of the product. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section VII. Handling and Storage—No specific storage is required.

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, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust Respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section IX. Physical and Chemical Properties

Physical state and appearance	Solid.	Odor	Smoky
Specific Gravity	1.3 (Water = 1)	Color	Brown (dark)
Volatility	2% (v/v)		
Dispersion Properties	See solubility in water.		
Solubility	Partially soluble in cold water.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
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Section XI. Toxicological Information

Routes of Entry	Ingestion.
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Section XII. Ecological Information - Not Available**Section XIII. Disposal Considerations**

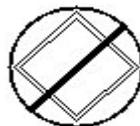
Waste Disposal	Landfill
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Section XIV. Transport Information - Non-Hazardous**Section XV. Other Regulatory Information and Pictograms**

Other Classifications		WHMIS (Canada)	Not controlled under WHMIS (Canada)				
		DSCL (EEC)	Not controlled under DSCL (Europe)				
HMIS (U. S. A.)	Health Hazard	1	National Fire Protection Association (U. S. A.)	Health		Fire Hazard	
	Fire Hazard	0					
	Reactivity	0					Reactivity
	Personal Protection	a					

WHMIS (Canada)
(Pictograms)

TDG (Canada)
(Pictograms)



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