



Material Safety Data Sheet

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| 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

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|--------------------------------|---|
| 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

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| 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

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| 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

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| 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

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| 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

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|--------------------------------------|----------------------------------|--------------|--------------|
| 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

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| Stability | The product is stable. |
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Section XI. Toxicological Information

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

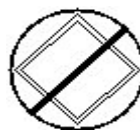
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| Waste Disposal | Landfill |
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Section XIV. Transport Information - Non-Hazardous**Section XV. Other Regulatory Information and Pictograms**

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|------------------------------|----------------------------|-----------------------|--|---------------|---|--------------------|-------------------|
| 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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