



Material Safety Data Sheet

NFPA	HCS Risk Phrases	Protective Clothing
	HCS Class: Irritating substance	Splash goggles Dust Respirator Gloves Work uniform or laboratory coat

Section I. Chemical Product and Company Identification

Common Name/ Trade Name FRITZ-PAK PLASTER DELAY-SET	Last Update 01/31/2005
Supplier/ Manufacturer:	FRITZ-PAK CORPORATION 11220 Grader Street, Suite 600 Dallas, TX, 75238, U. S. A. Tel: 214-221-9494 Fax: 214-349-3182
Chemical Family Citric Acid	Material Uses Concrete Additive

Section II. Composition and Information on Ingredients:

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Citric Acid Anhydrous	77-92-9	N/A	N/A	3 g/kg [rat]

Section III. Hazards Identification

Human Health Hazards	Causes irritation to skin and respiratory tract.
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Section IV. First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.
Ingestion	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Section V. Fire and Explosion Data - Non-Flammable

Extinguishing Media	Water spray dry chemical alcohol foam or carbon dioxide.
Suitable	
Protection for Fire Fighters	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section VI. Accidental Release Measures

Spills	Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Ventilate area of leak or spill. Wear appropriate personal protective equipment such as impervious protective clothing, including boots, gloves, lab coat, respirator.
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Section VII. Handling and Storage

Handling	Keep container tightly closed. Keep container dry.
Storage	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

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Section VIII. Exposure Controls/Personal Protection

Engineering Measures A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Wear impervious protective clothing, including boots, gloves, lab coat, respirator.

Section IX. Physical and Chemical Properties

Physical state and appearance	Solid (powder)	Odor	Odorless
Melting Point	>100C	Color	Off-white
Density	1.542	pH	2.2
Solubility	60 g/100 ml @ 20C° (Anhydrous)		
Flash Point	Not applicable		
Explosive Properties	Not applicable		

Section X. Stability and Reactivity Data

Stability The product is stable.

Section XI. Toxicological Information

Eye Contact	May produce severe irritation
Acute Toxicity	ORAL (LD50): 3 g/kg [Rat].
Skin Irritation	May produce mild-severe irritation

Section XII. Ecological Information

Persistence/degradability No information found.

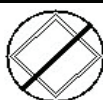
Section XIII. Disposal Considerations

Waste Disposal Waste should be managed in an appropriate and approved waste disposal facility. 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 - Non-Hazardous


DOT Classification Not a DOT controlled material (United States)

DOT Pictograms

**Section XV. Other Regulatory Information and Pictograms**

Federal and State Regulations Not available

Other Classifications	WHMIS (Canada)	Not controlled under WHMIS (Canada)
	DSCL (EEC)	R41 Irritating to eyes.

HMIS (U. S. A.)	Health Hazard	1	National Fire Protection Association (U. S. A.)	Health 	Fire Hazard
	Fire Hazard	1			
	Reactivity	0			
	Personal Protection	x			

WHMIS (Canada) (Pictograms)



TDG (Canada) Pictograms

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