



Material Safety Data Sheet

NFPA	HCS Risk Phrases	Protective Clothing
	HCS Class: Irritating substance	Splash Goggles Respirator Gloves

Section I. Chemical Product and Company Identification

Common Name/ Trade Name	HYDROCIZER	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 Sulfonated Organic Polymer

Section II. Composition and Information on Ingredients:

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Formaldehyde	50-00-0	Trace	1.0 ppm	N/A

Section III. Hazards Identification - None

Potencial Acute Health Effects May irritate skin. Mildly irritating to eyes.

Potential Chronic Health Effects Non-irritant for skin.

Section IV. First Aid Measures

Eye Contact	IMMEDIATELY flush eyes with running water.
Skin Contact	Wash with disinfectant soap and cover the contaminated skin with an anti-bacterial cream.
Inhalation	May be irritating to the respiratory tract. Treat as nuisance dust.
Ingestion	Have conscious person drink several glasses of water or milk. Seek medical attention. DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. 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.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Dispose of it in an approved chemical waste landfill.

Section VII. Handling and Storage

Precautions	DO NOT breathe dust, fume or mist, use ventilation to keep exposure to airborne contaminants below exposure limit.
Storage	Keep container dry. Keep in a cool place.

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	Splash goggles. Dust respirator.
Personal Protection in Case of a Large Spill	Splash goggles. Dust respirator. Boots. Gloves. Full suit. A self-contained breathing apparatus should be used to avoid inhalation of this product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

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Section IX. Physical and Chemical Properties

Physical state and appearance	Solid	Odor	Smoky. Sweet.
pH (1% soln)	10	Color	Brown (Light).
Specific Gravity	0.8 (Water = 1)		
Volatility	3% (v/v)		
Water/Oil Dist. Coeff.	Only soluble or dispersed in water.		
Dispersion Properties	Is not dispersed in methanol. See solubility in water, methanol.		
Solubility	Easily soluble in cold water and hot water, methanol. Very slightly soluble in diethyl ether. Insoluble in n-octanol.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents.
Corrosivity	Non-corrosive in presence of glass.

Section XI. Toxicological Information

Routes of Entry	Ingestion. Inhalation
Toxic Effects on Humans	Very dangerous In case of skin contact (irritant), eye contact (irritant), ingestion, inhalation.
Special Remarks on Chronic Effects on Humans	Material may contain trace quantities of formaldehyde. 0007 Animal embryotoxic.
Special Remarks on other Toxic Effects on Humans	Material is irritating to mucus membranes and upper respiratory track.

Section XII. Ecological Information - Not Available**Section XIII. Disposal Considerations**

Waste Disposal	Landfill
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Section XIV. Transport Information - Non-Hazardous

DOT Classification	Not a DOT controlled material (United States)
Proper Shipping Name	Hydrocizer 1
Packing Group	NONE
Hazardous Substances Reportable Quantity	Not available.

DOT Pictogram



HMIS (U. S. A.)	Health Hazard	2	National Fire Protection Association (U. S. A.)	Health		Fire Hazard	
	Fire Hazard	0					
	Reactivity	0					Reactivity Specific Hazard
	Personal Protection	e					

WHMIS (Canada)
(Pictograms) Not controlled under WHMIS (Canada)

TDG (Canada)
Pictograms

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