



NFPA 	HCS Risk Phrases HCS CLASS:	Protective Clothing 
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Section I. Chemical Product and Company Identification

Common Name/ Trade Name	MAGNESIUM CHLORIDE	Revision Date: 7-6-05
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		
Material Uses		

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Magnesium Chloride	7791-18-6	100		

Section III. Hazards Identification

Emergency overview	May be harmful if swallowed. May cause respiratory tract, eye and skin irritation.
Eye contact	May be hazardous in case of eye contact (irritant).
Skin	May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.
Inhalation	May be hazardous in case of inhalation (lung irritant).
Ingestion	May be hazardous in case of ingestion.
Chronic exposure	This material is not known to cause cancer in animals or humans. Repeated or prolonged exposure is not known to aggravate medical condition.

Section IV. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of the material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section V. Fire and Explosion Data

Flammability of the Product	Non-flammable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: No.
Fire Fighting Media and Instructions	Not applicable.

Section VI. Accidental Release Measures

Leak/Spill	For small amounts, use appropriate tools to put the spilled solid in a convenient waste disposal container. For large amounts, use shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminate surface and allow to evacuate through the sanitary system.
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MAGNESIUM CHLORIDE

Disposal	Recycle or dispose in local landfill per local, state, and federal regulations.		
Section VII. Handling and Storage			
Handling	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing dust. Keep container closed.		
Storage	Keep container in a cool, well-ventilated area.		
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, fire or mist, use ventilation to keep exposure to airborne con aminants below the exposure limit.		
Personal Protection	Splash goggles. Full suit. Dust respirator. Boot. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.		
Personal Protection in Case of a Large Spill	Respirators: a respiratory protection program that meets OSHA'S 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.		
Section IX. Physical and Chemical Properties			
Physical state and Appearance	Solid	odor:	Odorless
		color:	Colorless
Specific Gravity	Not available		
pH	Not available		
Solubility	Soluble in water.		
Section X. Stability and Reactivity Data			
Stability	The product is stable		
Incompatibility with various substances	Not available		
Special Remarks for Reactivity	Hazardous polymerization will not occur.		
Section XI. Toxicological Information			
Routes of Entry	Inhalation, skin, ingestion, eyes		
Toxic Effects on Humans	Acute Effects: May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering. May be hazardous in case of inhalation (lung irritant). May be hazardous in case of ingestion.		
Special Remarks on other Toxic Effects on Humans	This material is not known to cause cancer in animals or humans.		
Section XIV. Transport Information			
DOT Classification	Not available		
Section XV. Other Regulatory Information and Pictograms			

MAGNESIUM CHLORIDE

Other Classifications

U.S. Federal Regulations

TSCA 3(b) Inventory
 SARA 302/304/311/312 extremely hazardous substances
 SARA 302/304 emergency planning and notification
 SARA 302/304/311/312 hazardous chemicals
 SARA 311/312 MSDS distribution – chemical inventory – hazard identification
 SARA 313 toxic chemical notification and release reporting
 Clean Water Act (CWA) 307
 Clean Water Act (CWA) 311
 Clean Air Act (CAA) 112 accidental release prevention
 Clean Air Act (CAA) 112 regulated flammable substances
 Clean Air Act (CAA) 112 regulated toxic substances
 WHMIS (Canada)
 EINECS
 DSCL (EEC)
 Australia (NICNAS)
 Japan (MITI)
 Philippines (RA6969)
 China
 No products were found
 California Prop. 65

Magnesium Chloride
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 No products were found.
 Not controlled under WHMIS (Canada)
 Not available
 R36/37/38- Irritating to eyes, respiratory system and skin.
 Magnesium Chloride
 Magnesium Chloride
 Magnesium Chloride
 No products were found.
 No products were found.

International Regulation
 International Regulation cont.

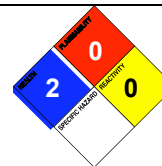
State Regulations

HMIS (U.S.A.)



National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific Hazard

Section XVI. Other Information

Notice to Reader

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