



NFPA 	HCS Risk Phrases HCS CLASS: None	Protective Clothing 
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Section I. Chemical Product and Company Identification

Common Name/ Trade Name	CALCIUM BROMIDE, 52%	Revision Date: 9-20-06
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 Inorganic salt

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Calcium Bromide	7789-41-5	52	N/A	LD ₅₀ = 4000 mg/kg (oral, rat)

Section III. Hazards Identification

Emergency overview	Causes irritation to skin, eyes, and gastrointestinal and respiratory tracts. May cause permanent eye damage.
Eye contact	Causes severe irritation to eyes.
Skin	Causes irritation to skin.
Inhalation	Causes irritation to the respiratory tract.
Ingestion	Causes irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.
Chronic exposure	Repeated excessive ingestion may cause central nervous system effects.

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. Seek medical attention immediately.
Skin Contact	Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing and thoroughly clean shoes before reuse.
Inhalation	Remove to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion	If swallowed, DO NOT INDUCE VOMITING. Slowly dilute with 1-2 glasses of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section V. Fire and Explosion Data

Fire	This material is not considered to be a fire hazard.
Explosion	Not considered to be an explosion hazard.
Fire Fighting Media and Instructions	Water fog, carbon dioxide, foam, dry chemical.
Special Exposure Hazards	Decomposition in fire may produce toxic gases.
Special Information	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section VI. Accidental Release Measures

Leak/Spill	Do not touch spilled material. Stop leak if you can without risk. For small spills, take up with sand or other absorbent material and place in containers for disposal. Move containers from spill area. For larger spills, dike far ahead of the spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry.
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Section VII. Handling and Storage																
Handling	Avoid contact with eyes, skin, or clothing. Wash hands after use.															
Storage	Keep in a tightly closed container. Store in a cool, dry location away from incompatibles.															
Section VIII. Exposure Controls/Personal Protection																
Ventilation System	Provide local exhaust ventilation where dust or mist may be generated.															
Personal Protection	Wear chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eyewash fountain and quick-drench facilities in work area. Wear appropriate protective clothing to prevent skin contact.															
Section IX. Physical and Chemical Properties																
Physical state and Appearance	Clear liquid Odor: Odorless Color: Clear															
Specific Gravity	1.70-1.73 @ 25°C															
pH	7-9															
Section X. Stability and Reactivity Data																
Stability	Stable under ordinary conditions of use and storage															
Incompatibilities	Strong oxidizers and strong acids.															
Hazardous decomposition products	May include toxic and corrosive fumes of hydrogen bromide and/or bromine.															
Conditions to avoid	Vapors may accumulate in tanks and hopper cars.															
Section XI. Toxicological Information																
Primary Routes of Exposure	Eye and skin contact; inhalation of dust; ingestion.															
Toxic Effects on Humans	Irritation possible to skin, eyes, and respiratory and gastrointestinal tracts. Moderately toxic by ingestion, slightly toxic by dermal absorption.															
Section XIV. Transport Information																
DOT Classification	Not regulated under the Transport of Dangerous Goods Act.															
Section XV. Other Regulatory Information and Pictograms																
Other Classifications	WHMIS (Canada) Classification D-2B Canadian DSL Inventory Status This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.															
HMIS (U.S.A.)	<table border="0"> <tr> <td style="background-color: blue; color: white; padding: 2px;">1</td> <td style="background-color: red; color: white; padding: 2px;">HEALTH</td> <td rowspan="4" style="vertical-align: middle; padding-left: 20px;">National Fire Protection Association (U.S.A.)</td> <td rowspan="4" style="vertical-align: middle; padding-left: 20px;">Health</td> <td rowspan="4" style="text-align: center;">  </td> <td style="padding-left: 20px;">Fire Hazard</td> </tr> <tr> <td style="background-color: red; color: white; padding: 2px;">0</td> <td style="background-color: yellow; color: black; padding: 2px;">FLAMMABILITY</td> <td style="padding-left: 20px;">Reactivity</td> </tr> <tr> <td style="background-color: yellow; color: black; padding: 2px;">0</td> <td style="background-color: white; color: black; padding: 2px;">REACTIVITY</td> <td style="padding-left: 20px;">Specific Hazard</td> </tr> <tr> <td style="background-color: white; color: black; padding: 2px;">C</td> <td style="background-color: blue; color: white; padding: 2px;">PROTECTIVE EQUIPMENT</td> <td></td> </tr> </table>	1	HEALTH	National Fire Protection Association (U.S.A.)	Health		Fire Hazard	0	FLAMMABILITY	Reactivity	0	REACTIVITY	Specific Hazard	C	PROTECTIVE EQUIPMENT	
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