



<b>NFPA</b> 	<b>HCS Risk Phrases</b> <b>HCS CLASS:</b> None	<b>Protective Clothing</b> 
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### Section I. Chemical Product and Company Identification

Common Name/ Trade Name	<b>ZINC BROMIDE, 72%</b>	Revision Date: 9-22-06
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	Metal Bromide	

### Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Zinc Bromide	7699-45-8	72	N/A	LD <sub>50</sub> = 1470 mg/kg (oral, rat)

### Section III. Hazards Identification

Emergency overview	May cause eye, skin, and respiratory burns. May be harmful if swallowed.
Eye contact	May cause severe irritation. May cause eye burns.
Skin	May cause irritation. May cause burns with prolonged contact.
Inhalation	May cause irritation and burns.
Ingestion	Causes burns of the mouth, throat, and stomach. May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression.

### 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. Wash clothing and 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	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### Section V. Fire and Explosion Data

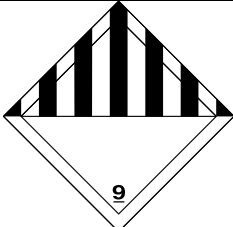

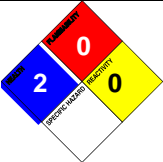




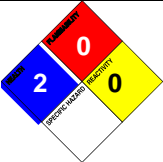




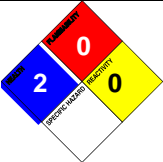



Fire	This material is not considered to be a fire hazard.
Fire Fighting Media and Instructions	All standard firefighting media.
Special Exposure Hazards	Decomposition in fire may produce toxic gases.

### Section VI. Accidental Release Measures

Leak/Spill	Use appropriate protective equipment. Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove. Prevent from entering sewers, waterways, or low areas.
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### Section VII. Handling and Storage

Handling	Avoid contact with eyes, skin, or clothing. Wash hands after use. Launder contaminated clothing before reuse.
Storage	Store away from oxidizers and acids. Store in a cool, dry location. Keep container closed when not in use.

<b>Section VIII. Exposure Controls/Personal Protection</b>															
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. Wear an approved respirator in case of contact with dust or mist.														
<b>Section IX. Physical and Chemical Properties</b>															
Physical state and Appearance	Clear liquid Odor: Mild Color: Light yellow														
Specific Gravity	2.2 @ 20°C														
pH	3-5														
<b>Section X. Stability and Reactivity Data</b>															
Stability	Stable under ordinary conditions of use and storage														
Incompatibilities	Strong acids.														
Hazardous decomposition products	Hydrogen bromide and toxic fumes.														
<b>Section XI. Toxicological Information</b>															
Primary Routes of Exposure	Eye and skin contact; inhalation of dust; ingestion.														
Toxic Effects on Humans	Irritation possible to skin, eyes, and respiratory tract. May cause irritation of the mouth, throat, and stomach. May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression.														
Chronic Effects	May cause bromism characterized by disturbances of the central nervous system, skin and digestive tract. May cause birth defects.														
<b>Section XIV. Transport Information</b>															
DOT Classification	9														
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Zinc Bromide), Marine Pollutant, RQ														
DOT Identification Number	UN3082														
Packing Group	III														
DOT (Pictograms)															
<b>Section XV. Other Regulatory Information and Pictograms</b>															
Other Classifications	WHMIS (Canada) Classification D-2B Canadian DSL Inventory Status All components listed on inventory.														
HMIS (U.S.A.)	<table border="0"> <tr> <td></td> <td><b>HEALTH</b></td> <td rowspan="4">National Fire Protection Association (U.S.A.)</td> <td rowspan="4">Health</td> <td rowspan="4"></td> <td rowspan="4">Fire Hazard</td> </tr> <tr> <td></td> <td><b>FLAMMABILITY</b></td> <td rowspan="2">Reactivity</td> </tr> <tr> <td></td> <td><b>REACTIVITY</b></td> </tr> <tr> <td></td> <td><b>PROTECTIVE EQUIPMENT</b></td> <td>Specific Hazard</td> </tr> </table>		<b>HEALTH</b>	National Fire Protection Association (U.S.A.)	Health		Fire Hazard		<b>FLAMMABILITY</b>	Reactivity		<b>REACTIVITY</b>		<b>PROTECTIVE EQUIPMENT</b>	Specific Hazard
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<b>Section XVI. Other Information</b>															
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