

# BAY ZINC COMPANY INC.

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**Liquid  
Zinc Solutions**

**Dry  
Zinc Granules**

## MATERIAL SAFETY DATA SHEET

BLU-MIN® Liquid Zinc Sulfate – 11.5%

Revised: 01/30/06

### Section I

Bay Zinc Company  
301 Charron Road  
P.O. Box 167  
Moxee, Washington 98936

Phone: (509) 248-4911

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### Section II -- Hazardous Ingredients

UN# 3082

#### **This product is a water solution of Zinc Sulfate**

	<u>%</u>	<u>CAS#</u>	<u>WSHA/OSHA PEL</u>	<u>ACGIH TLV, TWA</u>
Zinc Sulfate	29.6%	7733-02-0	none given	none given

### Section III -- Physical/Chemical Characteristics

This product is a clear solution with a vapor pressure and vapor density similar to water. It has a boiling point of 212°F, specific gravity of 1.38 gm/ml (H<sub>2</sub>O=1), is 100% soluble in water, and is 70% volatile by volume. The pH of this solution is 3.5 - 4.0 as is.

### Section IV -- Fire and Explosion Data

BLU-MIN Liquid Zinc Sulfate is not flammable or explosive. However, when heated to decomposition (1364°F or greater), ZnSO<sub>4</sub> emits toxic fumes of SO<sub>x</sub>.

### Section V -- Reactivity

Under normal conditions of use and temperature, BLU-MIN Liquid Zinc Sulfate is stable and will not decompose into hazardous products. BLU-MIN Liquid Zinc Sulfate is corrosive to Aluminum; therefore, it should not be transported or stored in Aluminum containers. Do not store with materials that react violently with water.

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Section VI -- Health Hazard Data

BLU-MIN Liquid Zinc Sulfate is considered to be moderately toxic by ingestion and a moderate eye and skin irritant. In case any of the product gets in a person's eyes or on the skin, they should rinse with water until all the product is gone. If the product is accidentally ingested and the victim is conscious, get the victim to drink milk or water and induce vomiting. Call a physician.

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Section VII -- Precautions for Safe Handling and Use

In case of a spill, BLU-MIN Liquid Zinc Sulfate should be contained and recovered. If a decision is made to dispose of the product as a waste, washing into a waterway or sewer should be avoided as fish are normally very sensitive to zinc exposure. The best method is to spread it on available soil as a fertilizer ingredient.

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Section VIII -- Control Measures

It is recommended that rubber gloves, rubber boots, and full goggles be worn when handling BLU-MIN Liquid Zinc Sulfate.

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Section IX -- Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
7733-02-0	Zinc Compounds	29.6%

This information should be included in all MSDS's that are copied and distributed for this material.

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END

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