

BAY ZINC COMPANY INC.

(509) 248-4911 or (800) 5431-4086

FAX: (509) 248-4916

P. O. Box 167, Moxee City Washington 98936

www.bayzinc.com

Liquid
Zinc Solutions

Dry
Zinc Granules

MATERIAL SAFETY DATA SHEET

BLU-MIN® ZINC SULFATE MONOHYDRATE

Revised: 06/01/02

SECTION I

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

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SECTION II -- INGREDIENTS

Zinc Sulfate Monohydrate

ZnSO₄•H₂O

CAS Number 7446-20-0

UN# 3077

Zinc Sulfate Monohydrate TLV, PEL not established

Control as "nuisance dusts" (particulates not otherwise classified) at 10 mg/m³ TWA.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BLU-MIN ZINC SULFATE MONOHYDRATE consists of colorless, odorless crystals and granules. Specific Gravity is 3.28 and Solubility is 48.9 g ZnSO₄•H₂O at 105° C (221° F). At approximately 680° C (1256° F) sulfur trioxide is given off and above 930° C (1706° F) zinc oxide is formed.

SECTION IV – FIRE, EXPLOSION AND REACTIVITY DATA

BLU-MIN ZINC SULFATE MONOHYDRATE is not flammable or explosive. It is stable but will decompose in extreme heat. Use NIOSH/MSHA approved SCBA when fighting fire in an enclosed space and in the presence of BLU-MIN ZINC SULFATE MONOHYDRATE.

SECTION V – HEALTH HAZARD DATA

Routes of entry are via inhalation, ingestion and skin. Acute health hazards and symptoms may include irritation of eyes, skin and respiratory tract; breathing difficulty in form of dust; and irritation of mucous membranes. Swallowing may cause strong stomach cramps and diarrhea. Chronic health hazards include irritation and dermatitis. Zinc sulfate monohydrate is not noted as carcinogenic by NTP, IARC or OSHA.

continued

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SECTION V – HEALTH HAZARD DATA (continued)**EMERGENCY FIRST AID:**

INHALATION: Remove to fresh air and seek medical help.

EYES: Flush with plenty of water for about 15 minutes and call a physician.

SKIN: Remove contaminated clothing, wash exposed area well.

INGESTION: If conscious, give plenty of water, seek medical help.

SECTION VI – PRECAUTIONS FOR SAFE HANDLING AND USE

Store in a clean dry area. In case of a spill, wear proper personal protection and sweep up or vacuum for proper disposal. Since the product will break down and dissolve in water, clean-up will be easier if kept dry. The best method of disposal is to use the material for its original intended use if possible. Otherwise, dispose of in accordance with all federal, state and local regulations.

SECTION VII – CONTROL MEASURES

Ventilate working area to maintain the TLV's and PEL's. For respiratory protection in a dusty environment, use a NIOSH/MSHA approved respirator; in an enclosed area use SCBA. Use eye protection and protective gloves as required. Other protective equipment that may be appropriate are an apron, eye-wash fountain and a safety shower.

END

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