

**MADISON INDUSTRIES, INC.
OLD WATERWORKS ROAD
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MATERIAL SAFETY DATA SHEET

November 1, 2008

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Common Name: ZINC SULFATE SOLUTION

Manufacturer: Madison Industries, Inc.
P.O. Box 175
Old Bridge, New Jersey 08857

Telephone: 732-727-2225
Emergency Telephone: 800-275-3924
24 Hour Emergency Telephone: 800-424-9300 (Chemtrec)

HAZARDOUS CLASSIFICATION: NFPA: Health-2 / Fire-0 / Reactivity-0
HMIS: Health-2 / Fire-0 / Reactivity-0

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

ATTENTION: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION I. MATERIAL IDENTIFICATION

Common Name: Zinc Sulfate
Molecular Formula: $ZnSO_4$ in water
CAS Number: 33-02-0

SECTION II. PHYSICAL DATA

Physical State: Liquid
Boiling Point: 104 degrees C
Melting Point: NA
Crystallization Point: 70 degrees F
Vapor Density: Vapor is water
Volatiles %: 64
Specific Gravity: 1.48
Solubility in H₂O: 100%

Color:	Colorless and water white
Appearance:	Clear liquid
Odor:	Odorless

SECTION III. FIRE AND EXPLOSION DATA

Flash Point:	Will not burn
Extinguishing Media:	Not applicable
Special Fire Fighting Instructions:	Not applicable
Fire and Explosion Hazards:	May release toxic fumes in a fire.

SECTION IV. REACTIVITY DATA

Stability:	Very stable at high temperatures.
Incompatibility:	Not applicable
Decomposition:	Will not occur except at high temperatures.
Polymerization:	Will not occur.

SECTION V. HEALTH AND HAZARD INFORMATION

Swallowing:	May cause burns of mouth and throat.
Skin:	May cause skin burns.
Eyes:	May cause eye damage.
Inhalation:	Dusts, mists or vapors, may cause severe irritation to upper respiratory tract.
Carcinogenicity:	None as per NTP, OSHA, and IARC.

SECTION VI. FIRST AID PROCEDURES

Swallowing:	Give large amounts of milk or water. Do not induce vomiting. Call Poison Control Center or a physician. Do not give anything by mouth to an unconscious person.
Skin:	Immediately flush skin with plenty of water for. Remove contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.
Eyes:	Immediately flush eyes with plenty of water for 15 minutes. Hold eyelids apart during irrigation. Call a physician.
Inhalation:	If dusts, mists or vapors are inhaled, immediately remove person to fresh air and call a physician.
Carcinogenicity:	None

SECTION VII. HANDLING PRECAUTIONS

Personal Protective Equipment:	Chemical safety goggles, rubber gloves (when needed), rubber apron, rubber shoes, and transparent face shield.
Ventilation:	Maintain good general ventilation.

SECTION VIII. SPILL OR LEAK PROCEDURES

Spills or Leaks: Comply with Federal, State and Local regulations on reporting spills. Flush with plenty of water to an approved chemical sewer.

Waste Disposal: Comply with Federal, State and Local regulations. Zinc Sulfate can be carefully reacted with Sodium Carbonate to form an insoluble Zinc Carbonate solid that can be scooped up and sent to a disposal contractor.

SECTION IX. SPECIAL PRECAUTIONS

Storage: Heated storage is necessary to prevent crystallization. Keep containers closed.

Other Precautions: Do not take internally.

SECTION X. REGULATORY INFORMATION

NOTICE: The information herein is presented in good faith and believed to be accurate. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with Federal, State and local laws.

U.S. REGULATIONS: SARA 313 Information; this product contains the following substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: **Zinc Compound 40.5%**

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category:

AN IMMEDIATE HEALTH HAZARD

SECTION XII. SHIPPING INFORMATION

QUANTITIES OF 1000 POUNDS OR MORE: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS, (Zinc Sulfate) 9, UN3082, PGIII, RQ, ERG 171

QUANTITIES OF LESS THAN 1000 POUNDS: NON-HAZARDOUS AND NON-REGULATED IN THAT PACKAGE

SECTION XIII. MSDS PREPARATION INFORMATION

Prepared by: Joel L. Goldschmidt
Vice President