

# SAFETY DATA SHEET

Date Printed: 04/25/2024

Date Revised: 01/15/2022

---

## SECTION 1. IDENTIFICATION

**Product Identifier:** (5N) 99.999% Magnesium Borate

**Product Code:** MG-BAT-05-P

**CAS Number:** 13703-82-7

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

---

## SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No data.

GHS Label elements, including precautionary statements:

No known hazard.

---

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT / CLASSIFICATION / CONCENTRATION:

Magnesium borate // 100

Formula  $2\text{BO}_2\cdot\text{Mg}$

Molecular weight 109.9

CAS Number 13703-82-7

---

## SECTION 4. FIRST AID MEASURES

Description of first aid measures.

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: Remove victim to fresh air. In severe cases or if symptoms persist, seek medical attention.

In case of skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes while removing

contaminated clothing and shoes. If irritation persists, seek medical attention.

In case of eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses

and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention.

If swallowed: Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Most important symptoms and effects, both acute and delayed:

See Section 2.2 and/or in Section 11.

Indication of any immediate medical attention and special treatment needed:

No data.

---

## **SECTION 5. FIREFIGHTING MEASURES**

Extinguishing media: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Special hazards arising from the substance or mixture: No data.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available.

---

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions:

Should not be released into the environment. See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up:

Sweep up or vacuum up spillage and collect in suitable container for disposal.

---

## **SECTION 7. HANDLING AND STORAGE**

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away

from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated

place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s): Laboratory chemicals, for scientific research and development only.

---

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters:

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure controls:

Appropriate engineering controls: Ensure that eyewash stations and safety showers are close to the workstation

location. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Eye/face protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's

eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

Body Protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.,

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

---

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Solid

Odour: No data

Odour Threshold: No data

pH: No data

Melting point/freezing point: No data.

Initial boiling point and boiling range: No data

Flash point: No data

Evaporatoin rate: No data

Flammability (solid, gas): No data

Upper/lower flammability or explosive limits: No data

Vapour pressure: No data

Vapour density: No data

Relative density: No data

Water solubility: No data

Partition coefficient: n-octanol/water: No data

Auto-ignition: No data

Decomposition temperature: No data

Viscosity: No data

Explosive properties: No data

Oxidizing properties: No data

---

## **SECTION 10. STABILITY AND REACTIVITY**

Reactivity No data

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions No data

Conditions to avoid

Incompatible material No data.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions: No data.

---

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects

Acute toxicity: ",

Skin irritation/corrosion: No data available.

Eye damage/irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ system toxicity - single exposure: No data available.

Specific target organ system toxicity - repeated exposure: No data available.

Aspiration hazard: No data available.

Additional information: To the best of our knowledge, the chemical, physical and toxicological properties

of this substance have not been thoroughly investigated.

---

## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity No data available.

Persistence and degradability No data available.

Bioaccumulative potential No data available

Mobility in soil No data available

Results of PBT and vPvB assessment No data available.

Other adverse effects No data available.

---

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

Product Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

Contaminated packaging Dispose of as unused product.

---

## **SECTION 14. TRANSPORT INFORMATION**

DOT (US), IMDG and IATA:

No known hazard for air and ground transportation.

---

## **SECTION 15. REGULATORY INFORMATION**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, or have known

CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

---

## **16. OTHER INFORMATION**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.