

# SAFETY DATA SHEET

Date Printed: 05/14/2024

Date Revised: 01/15/2022

---

## SECTION 1. IDENTIFICATION

**Product Identifier:** (4N) 99.99% Magnesium Carbonate Microparticles

**Product Code:** MG-CB-04-MP

**CAS Number:** 546-93-0

**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

Emergency Overview

OSHA Hazards

No known OSHA hazards

HMIS Classification

Health hazard: 0

Flammability: 0

Physical hazards: 0

Not a dangerous substance according to GHS

NFPA Rating

Health hazard: 0

Fire: 0

Reactivity Hazard: 0.

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

---

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Molecular Weight : 84.31 g/mol  
Magnesium carbonate

---

### **SECTION 4. FIRST AID MEASURES**

If inhaled  
If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
In case of skin contact  
Wash off with soap and plenty of water.  
In case of eye contact  
Flush eyes with water as a precaution.  
If swallowed  
Never give anything by mouth to an unconscious person. Rinse mouth with water.

---

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Special protective equipment for firefighters  
Wear self contained breathing apparatus for fire fighting if necessary.  
Hazardous combustion products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Magnesium oxide  
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Magnesium oxide  
Further information  
The product itself does not burn.

---

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

Personal precautions  
Avoid dust formation. Avoid breathing vapors, mist or gas.  
Environmental precautions  
Do not let product enter drains.  
Methods and materials for containment and cleaning up  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

---

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

Precautions for safe handling  
Provide appropriate exhaust ventilation at places where dust is formed.  
Conditions for safe storage  
Keep container tightly closed in a dry and well-ventilated place.

---

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95

(US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate

government standards such as NIOSH (US) or CEN (EU).

Hand 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.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH

(US) or EN 166(EU).

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the

specific work-place., The type of protective equipment must be selected according to the concentration and amount

of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice.

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

powder

Colour

no data available

Safety data

pH no data available

Melting point/freezing point

no data available

Boiling point

no data available

Flash point

no data available

Ignition temperature

no data available

Autoignition temperature

no data available

Lower explosion limit

no data available

Upper explosion limit

no data available

Vapor pressure  
no data available  
Density  
no data available  
Water solubility  
no data available  
Partition coefficient n-octanol/water  
no data available  
Relative Vapor density  
no data available  
Odor no  
data available  
Odor Threshold  
no data available  
Evaporation rate  
no data available

---

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

Chemical stability  
Stable under recommended storage conditions.  
Possibility of hazardous reactions  
no data available  
Conditions to avoid  
no data available  
Materials to avoid  
Strong oxidizing agents  
Hazardous decomposition products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Magnesium oxide  
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Magnesium oxide  
Other decomposition products - no data available

---

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Acute toxicity  
Oral LD50  
no data available  
Inhalation LC50  
no data available  
Dermal LD50  
no data available  
Other information on acute toxicity  
no data available  
Skin corrosion/irritation  
no data available  
Serious eye damage/eye irritation  
no data available  
Respiratory or skin sensitization  
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Synergistic effects

no data available

Additional Information

RTECS: OM2470000

---

## 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

PBT and vPvB assessment

no data available

Other adverse effects

no data available

---

## SECTION 13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

---

## **SECTION 14. TRANSPORT INFORMATION**

DOT (US)  
Not dangerous goods  
IMDG  
Not dangerous goods  
IATA  
Not dangerous goods

---

## **SECTION 15. REGULATORY INFORMATION**

OSHA Hazards  
No known OSHA hazards  
SARA 302 Components  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
SARA 313 Components  
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold  
(De Minimis) reporting levels established by SARA Title III, Section 313.  
SARA 311/312 Hazards  
No SARA Hazards  
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

---

## **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.