

# Safety Data Sheet (SDS)

**Product Name:** Manganese Carbonate (MnCO<sub>3</sub>)

**Date of Issue:** March 20, 2026

**Revision Number:** 1.0

## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Attribute	Details
Product Identifier	Manganese Carbonate (MnCO <sub>3</sub> )
CAS Number	598-62-9
Relevant Uses	Pigment for glass and ceramics, chemical intermediate, plant nutrient.
Company Name	BTLnewmaterial
Address	Room 706, No. 154, Wuyi East Road, Niezhou Residential Committee, Caizichi Sub-district Office, Leiyang City, Hengyang City, Hunan Province, China
Email	lixifirm@outlook.com
Phone/WhatsApp	+86 18273793022
Website	<a href="http://manganesesupply.com">manganesesupply.com</a>
Emergency Phone	+86 18273793022

## Section 2: Hazards Identification

**GHS Classification:**

- Specific Target Organ Toxicity - Repeated Exposure (Inhalation): Category 2 (Brain/Central Nervous System)

**Signal Word:** Warning

**Hazard Statements:**

- H373: May cause damage to organs (Brain, Central Nervous System) through prolonged or repeated exposure if inhaled.

**Precautionary Statements:**

- P260: Do not breathe dust/fume/gas/mist/vapours/spray.
- P314: Get medical advice/attention if you feel unwell.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

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### Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (wt%)	EC Number
Manganese Carbonate	598-62-9	≥ 99.0% (Mn ≥ 44.0%)	209-942-9

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### Section 4: First Aid Measures

Route	First Aid Instructions
Inhalation	Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician if irritation develops.
Eye Contact	Flush eyes with water as a precaution. Remove contact lenses if present.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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## Section 5: Firefighting Measures

- **Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
  - **Special Hazards:** Manganese oxides, Carbon oxides.
  - **Advice for Firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.
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## Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
  - **Environmental Precautions:** Do not let product enter drains.
  - **Methods for Cleaning Up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
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## Section 7: Handling and Storage

- **Handling:** Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin and eyes.
  - **Storage:** Keep container tightly closed in a dry and well-ventilated place. Store in a cool place.
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## Section 8: Exposure Controls/Personal Protection

### Exposure Limits (Manganese Compounds, as Mn):

- **ACGIH TLV:** 0.02 mg/m<sup>3</sup> (respirable fraction); 0.1 mg/m<sup>3</sup> (inhalable fraction).
- **OSHA PEL:** 5 mg/m<sup>3</sup> (Ceiling).

### Personal Protective Equipment:

- **Respiratory Protection:** For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) particle respirator.
- **Hand Protection:** Handle with gloves. Gloves must be inspected prior to use.

- **Eye Protection:** Safety glasses with side-shields conforming to EN166.
  - **Skin Protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.
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## Section 9: Physical and Chemical Properties

Property	Value/Description
Appearance	Pale pink to light brown powder
Odor	Odorless
pH	6.0 - 8.5 (5% aqueous slurry)
Melting Point	Decomposes at approx. 200°C
Relative Density	3.125 g/cm <sup>3</sup>
Water Solubility	Insoluble (0.0065 g/L at 25°C)
Vapor Pressure	Negligible

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## Section 10: Stability and Reactivity

- **Reactivity:** Stable under recommended storage conditions.
  - **Chemical Stability:** Stable under recommended storage conditions.
  - **Conditions to Avoid:** Moisture, excessive heat.
  - **Incompatible Materials:** Strong acids, strong oxidizing agents.
  - **Hazardous Decomposition Products:** Formed under fire conditions: Carbon oxides, Manganese oxides.
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## Section 11: Toxicological Information

- **Acute Toxicity:** LD50 Oral - Rat - > 2,000 mg/kg.
- **Skin Corrosion/Irritation:** No data available.
- **Serious Eye Damage/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.
  - **Reproductive Toxicity:** No data available.
  - **STOT-RE:** May cause damage to organs through prolonged or repeated exposure (Brain, CNS).
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## Section 12: Ecological Information

- **Toxicity:** No data available.
  - **Persistence and Degradability:** The methods for determining biodegradability are not applicable to inorganic substances.
  - **Bioaccumulative Potential:** No data available.
  - **Mobility in Soil:** No data available.
  - **Other Adverse Effects:** No data available.
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## Section 13: Disposal Considerations

- **Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.
  - **Contaminated Packaging:** Dispose of as unused product.
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## Section 14: Transport Information

- **DOT (US):** Not dangerous goods.
  - **IMDG:** Not dangerous goods.
  - **IATA:** Not dangerous goods.
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## Section 15: Regulatory Information

- **SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
  - **SARA 313 Components:** The following components are subject to reporting levels established by SARA Title III, Section 313: Manganese Carbonate (CAS 598-62-9).
  - **TSCA Inventory:** Listed.
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## Section 16: Other Information

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. BTLnewmaterial shall not be held liable for any damage resulting from handling or from contact with the above product.