

# Leiyang BTL New Materials Co., Ltd.

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## Material Safety Data Sheet

### MANGANESE CARBONATE (MnCO<sub>3</sub>)

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Cas Number: 598-62-9

Product name: MANGANESE CARBONATE (MnCO<sub>3</sub>)

Appearance and odor: A light beige powder, inodorous and tasteless

Company: Leiyang BTL New Materials Co., Ltd.

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient and Content: MANGANESE CARBONATE (MnCO<sub>3</sub>)

Moisture and other impurity: 1.0%

#### 3. HAZARDS IDENTIFICATION

Categories: Not classified.

Invasive Route: Inhalation and intake, etc.

Eye irritation properties: Manganese carbonate is not an eye irritant; however, as with all dusts, contact of Manganese carbonate particles with the eye may cause physical irritation.

#### 4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately.

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: The product is harmful. Rinse your mouth with water. Call immediately a physician.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

INHALATION: remove the patient to a well ventilated location and call a physician. If a patient to stop breathing, give artificial respiration. If breathing is difficult, give oxygen.

Medical conditions aggravated by exposure: Do not know

#### 5. FIRE FIGHTING MEASURES

GENERAL INFORMATION: No flammable

SUITABLE EXTINGUISHING MEDIA: Use powder, carbon dioxide for fire extinguishing

#### 6. ACCIDENTAL RELEASE MEASURES

Accidental release measures : Recommended emergency personnel wear chemical protective clothing. Plugging in ensuring safety case, absorb with sand or other inert materials, and then collect shipped to the waste disposal site to disposal, such as a large number of leaks, use ladder

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for around, and then collect, transfer, recycling and harmless treatment after the waste.

## 7. HANDLING AND STORAGE

Operation note: Wearing rubber gloves. Away from fire and heat source. Light discharge when handling to prevent packaging and container damage.

Storage precautions: store in a dry warehouse. Away from fire and heat source. Storage area should be equipped with the right material for leakage content.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial hygiene: avoid contact with skin and glasses, remove contaminated clothing and shoes.

Eye protection: wear safety glasses in high concentration environment

Hand protection: wear PE gloves

Other protections: Keep away from water

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### \* Physical data

1. Molecular weight: 114.95.
2. Boiling point (760 torr): 2500 degrees to 3000 degrees C (4532 degrees to 5432 degrees F).
3. Specific gravity (water = 1): 3.125 at 20 degrees C (68 degrees F).
4. Vapor density: Not applicable.
5. Melting point: 1830 degrees to 1850 degrees C (3326 degrees to 3362 degrees F).
6. Vapor pressure: Not applicable.
7. Solubility: Insoluble in water.
8. Evaporation rate: Not applicable.

### \* Reactivity

1. Conditions contributing to instability: None reported.
2. Incompatibilities: Contact of Manganese carbonate with lithium at 200 degrees C (392 degrees F) causes a violent reaction.
3. Hazardous decomposition products: None reported.
4. Special precautions: None.

### \* Flammability

There is no National Fire Protection Association fire hazard rating for Manganese carbonate; this substance is not combustible.

1. Flash point: Not applicable.
2. Flammable limits in air: Not applicable.
3. Extinguishing: Use an extinguishing that is suitable for the materials involved in the surrounding fire..

## 10. STABILITY AND REACTIVITY

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Stability: Stable under normal storage conditions.

HAZARDOUS REACTIONS: None

## 11. TOXICOLOGICAL INFORMATION

- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Do not directly release large amount to the outside.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. Residue from fires extinguished with this material may be hazardous.

## 14. TRANSPORT INFORMATION

UN/Id No: Not regulated.

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

Product name: MANGANESE CARBONATE ( $\text{MnCO}_3$ )

Regulatory information: do not belong to the dangerous chemicals.

## 16. OTHER INFORMATION

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*