

GHS Safety Data Sheet

SDS No. : MNH02PAEG

Date Issued: 2015/03/30

Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: MnCO₃ **Manganese(II) carbonate**

Product number:	Purity	Form	Size (mm) or Shape
MNH06PB	99.9 % (3N)up	powder	—

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd

1. 1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284

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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Specific target organ toxicity, single exposure : Category 1 repeated exposure : Category 1	No data available	Pyrophoric solids : Not classified Substances and mixtures which, in contact with water, emit flammable gases : Not classified

GHS Label: C


Pictograms or symbols

Warning word: DANGER

Hazard information
Causes damage to organs

(Respiratory organs)

Causes damage to organs (Respiratory organs, nervous system) through prolonged or repeated exposure
Description of precaution

Avoid breathing dust/mist/gas/fume/vapors/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. Call a POISON CENTER or doctor/physician if you feel unwell. Store locked up. Dispose of contents/ container in accordance with local/national regulations.

Additional hazard information :

With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name: Manganese(II) carbonate

Chemical formula: MnCO₃
Single Substance or Compound: Single substance

Composition: 100%

CAS #: 598-62-9

RTECS#: not listed

TSCA inventory: listed

EINECS: 299429

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	This product cannot catch fire. Use media appropriate for surrounding fire.
Fire fighting:	Wear self contained breathing apparatus for fire fighting if necessary. The product is nonflammable.
Specific hazards arising from the chemical:	In case of fire, may liberate toxic gases/ fume.
Combustion products:	Manganese oxides

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its dusts.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place. Avoid raising dust.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.
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Precautions to be taken in storage:

General precautions:	Store in a cool, dry place away from incompatible materials. Keep container or bottle tightly closed.
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Section 8. Exposure controls / personal protection

Exposure guideline:	ACGIH (2013): Mn and inorganic compounds TLV-TWA 0.02 mg/m ³ (respirable dust as Mn) 0.1 mg/m ³ (inhalable dust as Mn) OSHA (2006): Mn compounds PEL-TWA 5 mg/m ³ (ceiling limit as Mn)
Facility measures:	Local ventilation of closed work room or total proper ventilation to prevent inhalation.
Protective ware:	Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, face shields, protective gloves.

Wear appropriate NIOSH/MSHA-approved respirator, air-supplied respirator, safety goggles, face shields, protective gloves, protective clothing, apron, including boots.

Section 9. Physical and chemical properties

Color and Form:	pale red powder
Chemical formula:	MnCO ₃
Formula weight:	114.9
Melting point:	200 °C (decompose)
Boiling point:	No data available
Density:	3.70 g/cm ³
Water solubility	Insoluble
Flammable:	non-flammable substance
Oxidation:	No data available

Section 10. Stability and reactivity

Stability:	Stable in closed container.
Reactivity	
Incompatibility:	Calcium hypochlorite, fluorine, hydrogen peroxide.
Condition to avoid:	Heat
Hazardous decomposition products.:	Manganese oxides, Carbon dioxide, Carbone

Section 11. Toxicological information

Acute toxicity :	GHS : No data available
Skin corrosive / irritation:	GHS : No data available
Serious eyes damage / eye irritation:	GHS : No data available
Respiratory sensitization:	GHS : No data available
Skin sensitization:	GHS : No data available
Germ cell mutagenicity:	GHS : No data available
Carcinogenicity:	GHS : No data available
Reproductive toxicity:	GHS : No data available
Specific target organ toxicity	
— single exposure:	GHS : Category 1 ; Causes damage to organs (Respiratory organs)
Specific target organ toxicity	
— repeated exposure:	GHS : Category 2 ; Causes damage to organs (Respiratory organs, nervous system) through prolonged or repeated exposure
Aspiration hazard:	GHS : No data available
Other cautions:	Mechanical stimulation by dust affects eyes, skin and respiratory system

Section 12. Ecological information

Ecotoxicity:	
Hazards to the aquatic environment	
— acute toxicity:	GHS : No data available
— chronic toxicity:	GHS : No data available

Hazrdous to the ozone layer:	GHS : No data available No Freon or Halon
Fish toxicity:	No data available
Degradability:	No data available
Bioaccumulative potential:	Mn biological half-life 17 day, Rate of absorption Oral=0.1 Respiratory tract=0.3

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN classification: Non-hazards
UN number: None
HS code: 2836.99
Marine pollution: None
Precautions: Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory : listed.
Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.