

**General
Information**

Chemical Name	Manganese Carbonate	Formula	MnCO ₃
Trade Name	Manganese Carbonate, Regular and Extra Fine Grind		
Proper Shipping Name	Manganese Carbonate		
Manufactured by	Chemetals Incorporated		
Emergency Phone Number	301-789-8800	Date Form Issued	November 1985
CAS Number	598-62-9		

**Hazardous
Ingredients**

Hazardous Material Description		Class
Manganese Carbonate	c 5 mg/m ³ OSHA ACGIH	100%
Material	TLV (Units)	%
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**General
Physical Data**

Boiling Point 60 mmHg	Freezing Point	Specific Gravity (H ₂ O = 1)
NA	Decomposes	3.125
Vapor Pressure at 20°C	Vapor Density (Air = 1)	Solubility in Water
NA	NA	.0065
Percent Volatile by Volume	Evaporation Rate	Odor
NA	NA	None
Appearance		pH
Light tan crystal		NA

**Fire and Explosion
Hazard Data**

Flash Point (Test Method)	NA
Autoignition Temperature	NA
Upper Flammable Limits in Air (% By Volume)	NA
Lower Flammable Limits in Air (% By Volume)	NA
Extinguishing Media	CO ₂ , dry chemical or water extinguishers.
Special Fire Fighting Procedures	CO ₂ , dry chemical, or water extinguishers.
Unusual Fire and Explosion Hazards	No fire hazard as such.

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Health Hazard Data

Route(s) of Entry
Inhalation **Yes** Skin **No** Ingestion **Larger dust particles may be swallowed**

Health Hazards (Acute and Chronic)
Acute: Exposure to high concentrations of manganese fumes may cause metal fume fever. **Chronic:** Exposure to heavy concentrations of manganese dust or fumes for as little as three months may produce chronic manganese poisoning, but usually cases develop after 1-3 years of exposure.

Carcinogenicity
NTP **No** IARC Monographs **No** OSHA Regulated **No**

Signs and Symptoms of Exposure
Acute: Metal fume fever: chills, fever, muscle aches, headaches, dry throat. **Chronic:** Sleepiness, weakness in the legs, muscular twitchings, nocturnal leg cramps, slowness of speech, languor.

Medical Conditions Generally Aggravated by Exposure
Higher incidence of respiratory infection and pneumonia.

Emergency and First Aid Procedures
Inhalation: Remove to fresh air.
Ingestion: Induce vomiting, drink water and consult physician.

Reactivity Data

Stability
 Unstable Stable
Conditions to Avoid
None
Hazardous Decomposition Products
None
Hazardous Polymerization Conditions to Avoid
 May Occur Will Not Occur **NA**
Incompatibility (Materials to Avoid)
NA

Spill or Leak Procedures

Steps to be Taken if Material is Released or Spilled
Does not present any unusual hazard other than what is described above. Sweep or shovel into waste disposal container.
Waste Disposal Method
Comply with local regulations per solids disposal.

Special Protection Information

Respiratory Protection
Use NIOSH approved respirators in dusty areas which exceed the TLV.
Ventilations
Local Exhaust **Yes** Mechanical **No** Special **No**
Other Ventilations
None
Protective Gloves Eye Protection Other Protective Equipment
Yes **Yes** **No**

Special Precautions

Precautions to be Taken in Handling and Storing
Store in clean dry area.
Other Precautions
None