

**General
Information**

Chemical Name	Formula	
Manganese Carbonate	MnCO ₃	
Trade Name		
Manganese Carbonate, Regular and Extra Fine Grind		
Proper Shipping Name		
Manganese Carbonate		
Manufactured by		
Chemetals Incorporated		
Emergency Phone Number	Date Form Issued	
301-789-8800	August 1987	
CAS Number		
598-62-9		

**Hazardous
Ingredients**

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

**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 chemicals, 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 No		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	
	<input type="checkbox"/> Unstable	<input checked="" type="checkbox"/> Stable
	Conditions to Avoid	
	None	
Hazardous Decomposition Products		
None		
Hazardous Polymerization		
Conditions to Avoid		
<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur		
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				
	Maintain Mn concentrations below 5 mg/m ³ c.				
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	