Material Safety Data Sheet

Chemical Name: Manganese Carbonate
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: 598-82-9

Hazardous Material Description: 1:1 mg/m³ OSHA ACGIH
Material: 100%

Hazardous Ingredients:
Manganese Carbonate

Class: 1

General Physical Data:
Boiling Point 80 mm Hg: NA
Decomposes: 3,125
Freezing Point: NA
Vapor Pressure at 20°C: NA
Vapor Density (Air = 1): .0085
Percent Volatile by Volume: NA
Evaporation Rate: Odor
Appearance: pH
Light tan crystal: NA

Flash Point (Test Method) From: Sept. 8, 1994
CO₂, dry chemical or water extinguishers.

Special Fire Fighting Procedures
CO₂, dry chemical, or water extinguishers.

Unusual Fire and Explosion Hazards
No fire hazard as such.

All information, recommendations and suggestions appearing in this bulletin concerning the use of our products are given in good faith, but without warranty, either expressed or implied. The user's responsibility to determine the suitability of such use is entirely his own. No liability for loss or damage to persons or property is assumed by Chemetals Incorporated should the use of our products be other than in accordance with the above precautions and recommendations.
Health Hazard Data

Health Hazard (Acute and Chronic)

Acute: Exposure to high concentrations of manganese fumes may cause fever. Chronic: Exposure to heavy concentrations of manganese dust over a little as three months may produce chronic manganese poisoning and may develop after 1-3 years of exposure.

Carcinogenicity

NTP No IARC Monographs No OSHA Registed

Signs and Symptoms of Exposure

Acute: Metal fume fever: chills, fever, muscle aches, headaches, etc. through to chronic Sleepiness, weakness in the legs, muscular twitchings, nocturnal leg cramps, slurred speech, lassitude.

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.

Stability

☑ Irreducible ☑ 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

Steps to be Taken if Material is Released or Spilled

Does not present any unusual hazard other than what is described above. Sorbent or shovel into waste disposal container.

Waste Disposal Method

Comply with local regulations per solids disposal.

Special Protection Information

Respirator Protection

Use NIOSH approved respirators in dusty areas which exceed the TLV.

Ventilation

Maintain Mn concentrations below 5 mg/m³ or

Personal Protection

No

Other Protection

Yes, guy wires
Health Hazards (Acute and Chronic)

Acute: Exposure to high concentrations of manganese fumes may cause fever. Chronic: Exposure to heavy concentrations of manganese dust or fume for as little as three months may produce chronic manganese poisoning, which usually develop after 1-3 years of exposure.

Carcinogenicity
NTP: No
IARC Monographs: No
OSHA Related: No

Signs and Symptoms of Exposure
Acute: Manganese fume: phills, fever, muscle aches, headaches, or throat. Chronic: Sleepiness, weakness in the legs, muscle twitching, nocturnal leg cramps, slurred speech, or 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.

Stability

Unstable
Stable

Conditions to Avoid
None

Hazardous Decomposition Products
None

Hazardous Polymerization

Conditions to Avoid

Incompatible Materials (Materials to Avoid)
NA

Steps to be Taken If Material Is Released or Spilled

Does not present any unusual hazard other than what is described above. Sweep up and shovel into waste disposal container.

Waste Disposal Method

Comply with local regulations for solids disposal.

Special Protection Information

Respirator: Breath

Use NIOSH approved respirators in dusty areas which exceed the TLV.

Ventilation
Maintain Mn concentrations below 5 mg/m³.

Local Exhaust: Yes
Mechanical: No

Ventilation

Yes

Waste

NA