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SECTION 1: IDENTIFICATION

Effective Date: 12/17/96
Product Name: MANGANESE CARBONATE
Chemical Formula: MnCO₃
CAS No.: 598-62-9

SECTION 2: HAZARDOUS INGREDIENTS:

Very slightly dangerous to slightly dangerous in case of skin & eye contact (irritant), of inhalation. Slightly dangerous to dangerous in case of ingestion. May irritate eyes and skin upon contact.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	Solid
Boiling point:(760 mmHg)	decomposes
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	very slightly soluble in cold water
Melting Point:	n/a
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	non-flammable
Fire Fighting Procedures:	non-flammable
Unusual Fire and Explosion Hazards:	not available

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable Unstable

Conditions to Avoid:	non-corrosive in presence of glass
Incompatibilities: regarding	No specific information is available in database reactivity in presence of various other materials
Hazardous Decomposition or byproducts:	products of degradation are more toxic - some metallic oxides
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Permissible Exposure Limit: TWA: 1STEL: 3 (mg/m³) from ACGIH

Toxicity: substance toxic to mucous membranes

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Use appropriate tools to put spilled solid in a convenient waste disposal container.
Finish cleaning by spreading water on the contaminated surface and dispose of
according to local and regional authority requirements.

Disposal: Recycle to process, if possible. Consult your local or regional authorities

SECTION 8: FIRST AID PROCEDURES

First Aid:

- Eyes:** Check for any remove any contact lenses. Immediately flush eye with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
 - Skin:** Remove contaminated clothes. Place victim under deluge shower. Gently and thoroughly wash contaminated skin with running water and non-abrasive soap. Clean folds, crevices, creases and groin. Cold water may be used. Cover irritated skin with an emollient. Seek medical help if irritation persists.
 - Inhalation:** Allow victim to rest in well ventilated area. Seek medical attention.
 - Ingestion:** Remove any dentures. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head so vomit will not reenter mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.
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SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

- Other Precautions:** Do not ingest or breath dust. Seek medical advise if ingested and show container on label.
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SECTION 10: SPECIAL PROTECTION INFORMATION

- Ventilation:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
 - Eye Protection:** Safety glasses
 - Protective Gloves:** Impervious gloves in case of large spill
 - Respiratory Protection:** appropriate respirator when ventilation inadequate
 - Other Protective Gear:** lab coat
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SECTION 11: TRANSPORT INFORMATION

- DOT classification:** not DOT controlled
- DOT pictograms:**