SECTION 1  PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Manganese carbonate
PRODUCT NO: 2516
CAS NO: 598-62-9
SYNONYMS: Manganese (II) carbonate

MANUFACTURER:
Prochem, Inc.
826 Roosevelt Road
Rockford, IL 61109
PHONE: 815-398-1788
FAX: 815-398-1810
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2  HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE
Not a dangerous substance according to the GHS

HMIS CLASSIFICATION:
Health: 0  Flammability: 0  Reactivity: 0

NFPA RATING:
Health: 0  Fire: 0  Reactivity Hazard: 0

EYE CONTACT: May cause eye irritation.
SKIN CONTACT: May be harmful if absorbed through skin. May cause skin irritation.
INHALATION: May be harmful if inhaled. May cause respiratory tract irritation.
INGESTION: May be harmful if swallowed.

SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

Formula: MnCO₃
Molecular Weight: 114.95

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
<th>ACGIH (TWA)</th>
<th>OSHA (PEL)</th>
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<tbody>
<tr>
<td>Manganese carbonate</td>
<td>598-62-9</td>
<td>100</td>
<td>1 mg/m³</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

SECTION 4  FIRST AID MEASURES

EYE EXPOSURE: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

SKIN EXPOSURE: Wash with soap and water. Get medical attention if irritation develops.
**SECTION 4  FIRST AID MEASURES (Cont.)**

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

**SECTION 5  FIREFIGHTING MEASURES**

**FLASH POINT:** Product is not flammable or combustible

**AUTO IGNITION TEMPERATURE:** Not applicable

**EXPLOSION LIMITS:** Not applicable

**EXTINGUISHING MEDIUM:** Use fire fighting measures that suit the surrounding fire

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus for fire fighting if necessary.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Carbon oxides, manganese, and manganese oxides

**SECTION 6  ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** Wear personal protective equipment. Avoid dust formation. Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to reach sewers, ground water, or water course.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Sweep up and put in convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface.

**SECTION 7  HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** Do not breathe dust. Keep away from incompatibles such as oxidizing agents and acids.

**CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed and store in a cool, well-ventilated area.

**SECTION 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**EYE PROTECTION:** Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

**SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES**

**COLOR AND FORM:** Light brown

**MELTING POINT:** > 200° C (dec.)

**BOILING POINT:** No data available

**MOLECULAR WEIGHT:** 114.95

**ODOR:** Odorless

**SPECIFIC GRAVITY:** 3.7 gm/ml

**VAPOR PRESSURE:** Not applicable

**SOLUBILITY IN WATER:** Insoluble

**SECTION 10  STABILITY AND REACTIVITY**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** No data available

**INCOMPATIBILITY:** Strong oxidizing agents and strong acids.
SECTION 10  STABILITY AND REACTIVITY (Cont.)

DECOMPOSITION PRODUCTS: Carbon oxides, manganese, and manganese oxides

SECTION 11  TOXICOLOGICAL DATA

CARCINOGENIC EFFECTS: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
MUTAGENIC EFFECTS: No data
TETRATOGENIC EFFECTS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12  ECOLOGICAL DATA

No information available

SECTION 13  DISPOSAL CONSIDERATIONS

Dispose of in according to local, state and federal regulations.

SECTION 14  TRANSPORTATION DATA

Non-hazardous material

SECTION 15  REGULATORY INFORMATION

TSCA: Listed in the TSCA Inventory
SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA (TITLE 313): Manganese carbonate
SARA 311/312 HAZARD: No SARA hazards
MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components: Manganese carbonate
New Jersey Right to Know Components: Manganese carbonate
California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16  OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.
DATE PREPARED: 04/14
SDS DEPT.