



## MATERIAL SAFETY DATA SHEET

CAST IRON Rust Remover

MSDS No: 6264  
Date Prepared: 10/12/2003  
Date Revised: 10/12/2003

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name/Use:** CAST IRON Rust Remover

**PRODUCT CODE:** 6264610

#### MANUFACTURER

The Ramsey Company  
8310 16th St.  
Sturtevant, WI 53177-0902

**Ramsey Telephone Number:** 800-421-2768  
**Emergency Telephone (24 hours):** 800-228-5635  
**CHEMTREC (U.S./Can.):** 800-424-9300  
**CHEMTREC (Int'l):** +1 703-527-3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Inorganic salt, NJ Trade Secret Registry #69730001	NA	15 - 40	NA 15 mg/m3 (total dust) /	NA 10 mg/m3 (total dust) /
Sodium hydrosulfite	7775-14-6	15 - 40	5 mg/m3 (respirable)	3 mg/m3 (respirable)
Sodium bisulfite	7631-90-5	15 - 40	5 mg/m3	5 mg/m3
Sodium carbonate	497-19-8	3 - 7	NA 15 mg/m3 (total dust) /	NA 10 mg/m3 (total dust) /
Sodium sulfite	7757-83-7	3 - 7	5 mg/m3 (respirable)	3 mg/m3 (respirable)
Carboxylic acid	NA	3 - 7	NA	NA

NA - Not Available

**OSHA REGULATORY STATUS:** This product is classified as hazardous under OSHA regulations.

**WHMIS CLASS:** Class D- Division 2B

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

White, Powder Solid . Slight, Sulfur Odor. Harmful if Swallowed. May Cause Severe Eye Irritation and Skin Irritation. May Cause Respiratory Tract Irritation. May Cause Allergic Respiratory Reactions In Sensitive Individuals. Contact With Acids Releases Sulfur Dioxide Gas.

#### POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE:  Eye       Skin Contact       Skin Absorption  
 Inhalation       Ingestion

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Causes severe eye irritation. Symptoms may include pain, tearing, redness, and clouding of the eye surface.

**SKIN:** Causes skin irritation. Symptoms may include redness, rash and mild swelling.

**INGESTION:** Harmful if swallowed. May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. Ingestion may cause allergic asthmatic reactions in some individuals.

**INHALATION:** High concentrations of dust or mist, or sulfur dioxide released from this product, may cause nose, throat and respiratory tract irritation. Symptoms may include coughing, wheezing and shortness of breath. May cause allergic respiratory reactions in some individuals.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged contact may cause severe skin irritation. Symptoms may include pain, redness, rash, and swelling.

**MEDICAL CONDITIONS AGGRAVATED:** May aggravate pre-existing eye, skin and respiratory conditions. Persons suffering from asthma should avoid exposure to this product.

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## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get immediate medical attention.

**SKIN:** Flush thoroughly with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

**INGESTION:** Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** Not applicable.

**FLAMMABLE LIMITS:** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal products of combustion (carbon monoxide and carbon dioxide), oxides of sulfur and oxides of sodium.

**FIRE AND EXPLOSION HAZARDS:** Product may ignite or explode on contact with oxidizing materials. Heat may be given off on contact with water and may ignite combustible materials.

**FIRE FIGHTING INSTRUCTIONS:** This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

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## 6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Isolate spill and keep non-essential personnel from entering spill area. Avoid dust formation. Using non-metallic implements, collect by carefully scooping or shoveling into a suitable dry container.

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## 7. HANDLING AND STORAGE

**HANDLING:** Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes, skin and clothing. Minimize dust generation. Avoid breathing dust. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

**STORAGE:** Keep container closed when not in use. Store in a dry area away from incompatible materials. (See Section 10, Stability and Reactivity).

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Good general room ventilation is expected to be adequate. If user operations generate dust, ventilation should be used to keep airborne concentrations below exposure limits (See Section 2, Composition/Information on Ingredients).

### PERSONAL PROTECTION

**EYE:** Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

**SKIN:** Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

**RESPIRATORY:** No respiratory protection is required if general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure. For dust, use an approved dust respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** Slight, Sulfur

**APPEARANCE:** White, Powder

**pH:** 5-6 {saturated solution}

**PERCENT VOLATILE BY WEIGHT:** Not Available

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** Not Available

**FREEZING/MELTING POINT:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 1.30

**VISCOSITY:** Not Available

**OCTANOL/WATER PARTITION COEFFICIENT:** Not Available

**ODOR THRESHOLD:** Not Available

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## 10. STABILITY AND REACTIVITY

**STABILITY (CONDITIONS TO AVOID):** Slowly oxidized upon exposure to air and moisture.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Sulfur dioxide.

**INCOMPATIBLE MATERIALS:** Oxidizers (e.g., bleach), strong acids (e.g., hydrochloric acid), reactive metals (e.g., aluminum), and moisture. Contact with acids releases sulfur dioxide gas.

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## 11. TOXICOLOGICAL INFORMATION

**ACUTE DATA:** No data is available for this product. The following data are available for product ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Inorganic salt, NJ Trade Secret Registry #69730001			
Sodium hydrosulfite	2500 mg/kg	10000 mg/kg	Not Available
Sodium bisulfite	2000 mg/kg	Not Available	1260 ppm (4-hr, SO <sub>2</sub> )
Sodium carbonate	4090 mg/kg	Not Available	2300 mg/m <sup>3</sup> (2-hr)
Sodium sulfite	2160 mg/kg	Not Available	Not Available
Carboxylic acid			

**SENSITIZATION DATA:** No data available.

### CHRONIC DATA:

No data available.

**REPRODUCTIVE/TERATOGENIC DATA:** No data available.

# CAST IRON Rust Remover

**CARCINOGENIC/MUTAGENIC DATA:** Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

**SYNERGISTIC MATERIALS:** No data available.

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## 12. ECOLOGICAL INFORMATION

No data available.

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## 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

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## 14. TRANSPORT INFORMATION

**DOT/TDG HAZARDOUS MATERIAL DESCRIPTION:** Not regulated

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## 15. REGULATORY INFORMATION

*Not meant to be all-inclusive---selected regulations represented.*

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Under 40 CFR 370.2, this product meets the following hazard categories: Immediate, Reactive.

**313 REPORTABLE INGREDIENTS:** Ingredients in this product are not currently subject to notification.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not reportable under CERCLA.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** This product complies with all TSCA inventory requirements.

### CANADA

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Class D-Division 2B, eye and skin irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

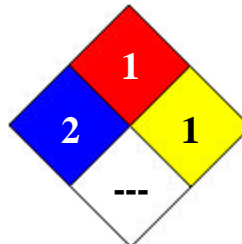
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## 16. OTHER INFORMATION

### HMIS RATING

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	-

### NFPA CODES:



**APPROVED BY:** Product Safety & Regulatory

**MSDS STATUS** Revision #: 3

This MSDS replaces the October 09, 2000 MSDS. Any changes in information are as follows:

In Section 1

Approved by Product Code Date Prepared

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the*

*product in combination with any other product or any other process is the responsibility of the user.*