



# MATERIAL SAFETY DATA SHEET

RUST AND IODINE Carpet Spotter

Date Prepared: 09/07/2000  
Date Revised: 09/07/2000

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: RUST AND IODINE Carpet Spotter

### MANUFACTURER

The Butcher Company  
67 Forest Street  
Marlborough, MA 01752-3012

Butcher Telephone Number: 800-225-9475  
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

INGREDIENT(S)	CAS NO.	% BY WEIGHT
Inorganic salt, NJ Trade Secret Registry #69730001	NA	25 - 40
Sodium hydrosulfite	7775-14-6	25 - 40
Sodium bisulfite	7631-90-5	25 - 40
Sodium carbonate	497-19-8	5 - 7
Sodium sulfite	7757-83-7	5 - 7
Carboxylic acid	NA	5 - 7

See Section 8 for Exposure Limits      NA - Not Applicable

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

### EFFECTS OF ACUTE EXPOSURE

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.

**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.

**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.

**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.

**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.

**INHALATION:**

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

**INGESTION:**

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

**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.

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**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.

**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.

**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).

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**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.

**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.

**EXPOSURE LIMITS:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Inorganic salt, NJ Trade Secret Registry #69730001	NA	NA
Sodium hydrosulfite	15 mg/m3 (total dust) / 5 mg/m3 (respirable)	10 mg/m3 (total dust) / 3 mg/m3 (respirable)
Sodium bisulfite	5 mg/m3	5 mg/m3
Sodium carbonate	NA	NA
Sodium sulfite	15 mg/m3 (total dust) / 5 mg/m3 (respirable)	10 mg/m3 (total dust) / 3 mg/m3 (respirable)
Carboxylic acid	NA	NA

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Solid  
 ODOR: Slight, Sulfur  
 APPEARANCE: White, Powder  
 pH: 5-6 saturated solution  
 PERCENT VOLATILE BY WEIGHT: Not Applicable  
 VAPOR PRESSURE: Not Applicable  
 VAPOR DENSITY: Not Applicable  
 BOILING POINT: Not Applicable  
 FREEZING/MELTING POINT: Not Available  
 SOLUBILITY IN WATER: Complete  
 EVAPORATION RATE: Not Applicable  
 SPECIFIC GRAVITY: 1.30  
 VISCOSITY: Not Applicable  
 OCTANOL/WATER PARTITION COEFFICIENT: Not Available  
 ODOR THRESHOLD: Not Available

**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.

**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>
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

## SENSITIZATION DATA:

No data available.

## CHRONIC DATA:

No data available.

## REPRODUCTIVE/TERATOGENIC DATA:

No data available.

## CARCINOGENIC/MUTAGENIC DATA:

Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

## SYNERGISTIC MATERIALS:

No data available.

**12. ECOLOGICAL INFORMATION**

No data available.

**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.

**14. TRANSPORT INFORMATION**

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

**15. REGULATORY INFORMATION**

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

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**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.

MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
Inorganic salt, NJ Trade Secret Registry #69730001	NA	Not Listed
Sodium hydrosulfite	7775-14-6	Not Listed
Sodium bisulfite	7631-90-5	MA, NJ, PA
Sodium carbonate	497-19-8	Not Listed
Sodium sulfite	7757-83-7	Not Listed

NA - Not Applicable

**CANADA**

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

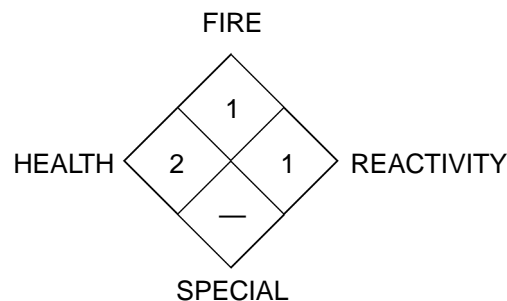
Class D-Division 2B, eye and skin irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

HMIS RATING

HEALTH	-	2
FLAMMABILITY		1
REACTIVITY		1
PERSONAL PROTECTION		-

NFPA RATING



MSDS STATUS

New MSDS

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APPROVED BY: EH&S/Regulatory Affairs  
APPROVAL DATE: 09/07/2000

*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.*