



# SENTRY INDUSTRIES INC.



## MATERIAL SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION

Product Name: D-Clor or Spill Magic  
 Chemical Name: Sodium Sulfite  
 Chemical Family: Sodium Salt  
 Distributor: Sentry Industries, Inc. 5687 NW 36th Ave. Miami, Fl. 33142  
 Telephone: (305) 638-0800 (954) 527-4000 (800) 227-2047

### SECTION 2 COMPOSITION / INGREDIENTS

Ingredient (s):	% Weight	CAS #
Sodium Sulfite (Na <sub>2</sub> SO <sub>3</sub> )	97.0- 100.0% wt	7757-83-7
Sodium Sulfate (Na <sub>2</sub> SO <sub>4</sub> )	0 - 3.0% wt	7757-82-6

### SECTION 3 HAZARDS IDENTIFICATION

**Emergency Overview:** Odorless, white to pale yellow crystals or powder which may irritate the skin. May cause irritation and/or burns to the eyes. Harmful if swallowed or inhaled. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by same asthmatics and other 'sulfite-sensitive' individuals. Reacts with acids to form toxic and irritating sulfur dioxide gas.

#### Health Effects of Overexposure:

**Eye Contact:** Dust or mist may irritate or burn the eyes. Solutions will cause irritation or burns to the eyes.  
**Skin Contact:** Dust or mist may cause skin irritation from prolonged contact. Solutions will cause skin irritation  
**Inhalation:** Inhalation of dust or mist may irritate the respiratory tract  
**Ingestion:** May irritate gastrointestinal tract. Estimated to be moderately toxic. May cause severe allergic reactions in some asthmatics. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression, and even death.

### SECTION 4 FIRST AID

#### Emergency and First Aid Procedures:

**Eye Contact:** Flush eyes immediately with water for at least 15 minutes, including under eyelids. Get medical attention.  
**Skin Contact:** Immediately wash skin with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation persists.  
**Inhalation:** Promptly remove to fresh air. Get medical attention if signs of suffocation, irritation or other symptoms develop.  
**Ingestion:** If conscious, immediately give a large quantity of water or milk and induce vomiting by touching finger to back of throat. Get immediate medical attention.  
**Advise to Physician:** Treat symptomatically. Note potential for anaphylactic shock with allergic individuals.

**SECTION 5 FIRE FIGHTING MEASURES**

Flash Point:	None Non-flammable
Flammable Limits:	Non-flammable
National Fire Rating System (NFPA):	NA
Hazard Material Identification System (HMIS):	NA
Extinguishing Media:	Material is not flammable. Use extinguishing media appropriate for material in surrounding fire.
Special Fire Fighting Procedures:	Evacuate area of unprotected personnel. Use a water spray to keep container cool and to knock down fumes.
Unusual Fire & Explosion Hazards:	Non-combustible.
Additional Information:	Wear positive pressure, self-contained breathing apparatus and full protective equipment. Evacuate area of unprotected personnel. Isolate the hazard area and deny unnecessary entry.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Steps to be taken if material is Released or Spilled:	Sweep or shovel up and place into container. Wash area with large amounts of water. Dissolve in water using caution as solution can get hot. Neutralize using acid and flush to sewer with plenty of water, if permitted by applicable disposal regulations. Good ventilation is required during neutralization due to the release of sulfur dioxide gas. Oxidation to sodium sulfate solution may be required, as for example, by adding a slight excess of dilute hydrogen peroxide carefully and with stirring. Neutralized waste may have to be disposed of by an approved contractor.
Additional Information:	Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

**SECTION 7 HANDLING & STORAGE**

Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not eat or drink in work area. Store in closed containers. Store in a cool dry area away from acids or oxidizers. Protect from physical damage. Utilize local exhaust if there is a dusty or misty conditions exist. Use exhaust if there is a release of sulfur dioxide gas.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ventilation:	Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces.
Respirator Protection:	Where required, use NIOSH approved respirator for dust, mist and/or sulfur dioxide gas, as conditions indicate. Some exposures may require NIOSH approved self-contained breathing apparatus or supplied-air respirator.
Eye Protection:	If exposed to dust or mist or solution, wear chemical goggles. Do not wear contact lenses. Eyes must be protected if dissolving material in water. Eye wash stations should be located in immediate area.
Other Protective Equipment:	Wear full work clothing, including long sleeved shirt and trousers for routine product-handling use. Cotton gloves are usually adequate for dry product. For solutions, wear impervious gloves and apron. If contact is repeated or prolonged, wear full impervious clothing.

**SECTION 9 PHYSICAL & CHEMICAL PROPERTIES**

Physical State:	Solid	Odor:	Oderless
Appearance and Odor:	White to pale yellow crystals or powder	Spec Gravity:	2.63 gm/ml at 20 <sup>0</sup> C
Boiling Point:	Not applicable	pH:	5% solution = Approx. 9.8
Vapor Pressure (mm Hg ):	NA	Vapor Density:	N/A
Solubility in Water	17% at 50 <sup>0</sup> F		

**SECTION 10 STABILITY & REACTIVITY**

Stability:	Stable.
Incompatibility (Materials to Avoid):	Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.
Hazardous Decomposition Products:	Sulfur Dioxide gas, toxic, corrosive and an oxidizer. Sodium sulfide residue, flammable, dangerous fire risk, strong irritant to skin and tissue. Incompatible with acids.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	High temperatures (before melting) yield sulfur dioxide gas and hazardous residue.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Threshold Limit Value: OSHA PEL & ACGIH TLV undetermined.  
 Toxic Limits: - LD50 (oral, mouse) = 820 mg/kg

**SECTION 12 ECOLOGICAL INFORMATION**

For Sodium sulfite: 2600 ppm/24, 48 & 96 hr/mosquito fish/TLm/fresh water  
 Biological Oxygen Demand (BOD): 0.12 lb/hr, instantaneous

**SECTION 13 DISPOSAL CONSIDERATIONS**

Waste Disposal Methods:	Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste.
Additional Information:	Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

**SECTION 14 TRANSPORTATION INFORMATION**

DOT Proper Shipping Name:	Not Regulated
DOT Hazard Class:	Not Regulated
DOT Identification #:	Not Regulated

**SECTION 15 REGULATORY INFORMATION**

RCRA Hazardous Waste:	No
RQ:	NA
SARA 311 Hazard Class:	Immediate
SARA 313:	NA

**SECTION 16 OTHER INFORMATION**

4/12/08 – Revision to formatting for GHS compliance.  
 5/24/04 – Previous version.

The data in this Material Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Sentry Industries assume legal responsibility. This information is provided solely for your consideration, investigation, and verification.

For additional information, contact our technical service department.