



## Safety Data Sheet

### 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:** ..... **RD 9025**  
**PRODUCT NUMBER:** ..... RD 9025  
**OTHER MEANS OF IDENTIFICATION:**  
**RECOMMENDED USE:** ..... For industrial and manufacturing use only.  
**RESTRICTIONS ON USE:** ..... Use only as directed.

**COMPANY:** ..... Chemtron Corporation  
3500 HARRY S. TRUMAN BLVD  
ST. CHARLES, MO 63301  
(P) 636-940-5445 (MON-FRI 7:30-4:00)  
[www.chemtroncorporation.com](http://www.chemtroncorporation.com)

**EMERGENCY PHONE:** ..... (800) 424-9300 (CHEMTREC)  
**REVISION NUMBER:** ..... SEPTEMBER 30, 2015

### 2 – HAZARDS IDENTIFICATION

**CLASSIFICATION 29 CFR 1910.1200:** ..... This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard.

Acute toxicity: Category 4 (oral)  
Eye Damage: Category 1



**GHS SIGNAL WORD:** ..... **Danger**

**GHS HAZARD STATEMENTS:** ..... H302: Harmful if swallowed:  
H318: Causes serious eye damage

**GHS PRECAUTIONARY STATEMENTS:** ..... P264: Wash ... thoroughly after handling, wash gloves and contaminated surfaces.  
P270: Do not eat, drink or smoke when using this product



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P280: Wear protective gloves/protective clothing/eye protection/face protection; when conditions warrant use, add face shield, apron, and/or rubber boots.

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330: Rinse mouth

**HAZARDS NOT OTHERWISE CLASSIFIED:**..... None known

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Sodium metabisulfite	30-50	7681-57-4

The exact percent by weight of the ingredients in this formulation is proprietary.

### 4 – FIRST-AID MEASURES

**INHALATION:** ..... Promptly remove to fresh air. Get immediate medical attention if signs of sulfacation, irritation or other symptoms develop.

**INGESTION:** ..... If conscious, immediately rinse mouth with water and give 1 glass of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

**EYES:** ..... Flush eyes immediately with water for at least 15 minutes. Remove contact lenses if present after the first 5 minutes if you can do so easily and continue flushing. Get immediate medical attention.

**SKIN:** ..... Immediately wash skin with plenty of soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

**ACUTE SYMPTOMS:** ..... Harmful if swallowed or inhaled.

**DELAYED EFFECTS:** ..... May irritate the skin. May cause irritation and/or burns to the eyes. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other sulfite sensitive individuals.

**IMMEDIATE OR SPECIAL TREATMENT REQUIREMENTS:** Treat symptomatically. Note potential for anaphylactic shock with allergic individuals. Releases sulfur dioxide if heated above 150C.

### 5 – FIRE-FIGHTING MEASURES

**FLASHPOINT:** ..... Not Flammable.

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

**SPECIAL FIRE FIGHTING PROCEDURES:** ..... Releases toxic and irritating sulfur dioxide at fire temperatures.

### 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:** ..... Contain spills with absorbent inert material, sweep up material with minimum dusting and shovel into an empty container with a cover. Rinse spill area with plenty of water.

**PERSONAL PRECAUTIONS:** ..... Provide ventilation to clear sulfur dioxide fumes which may be generated by contact with water. Wear appropriate personal protective equipment.



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### 7 – HANDLING and STORAGE

**STORAGE:**.....Store in a cool, dry, well-ventilated area away from water, ice, acids, and oxidizing agents. Releases sulfur dioxide gas slowly at ambient temperatures.

**HANDLING:** .....Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not eat or drink in the work area. Use normal personal hygiene and housekeeping. Keep away from water, ice, acids, heat and oxidizing agents.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** .....Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces.

INGREDIENT	SOURCE & PARAMETER	EXPOSURE LIMIT
Sodium metabisulfite	ACGIH TLV	5 mg/m <sup>3</sup> TWA

**PROTECTIVE CLOTHING:** .....Chemical goggles, face shield, always wear eye protection when working with any chemical. Impervious gloves, clean body covering, rubber apron, rubber boots

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE:**.....Translucent yellow green

**ODOR:** .....Pungent sulfur.

**BOILING POINT:** .....NA

**VAPOR PRESSURE:** .....Not determined.

**VAPOR DENSITY (AIR=1):** .....Not determined.

**SPECIFIC GRAVITY:**.....1.29-1.32

**pH:**.....3.7-4.5

**SOLUBILITY IN WATER:** .....Completely

**FLAMMABILITY:** .....Not Flammable

**EVAPORATION RATE:** .....Not known

**MELTING POINT/FREEZING POINT:** ..... Begins to rapidly decompose above 150(C).

### 10 – STABILITY and REACTIVITY

**REACTIVITY:**.....Not normally reactive.

**STABILITY:** .....Normally Stable.

**HAZARDOUS POLYMERIZATION:** ..... Reacts with acids to form toxic and irritating sulfur dioxide gas.

**INCOMPATIBILITY:**.....Oxidizers may cause strong exothermic reactions. Acids, water and ice, release sulfur dioxide gas which is toxic, corrosive, and potentially deadly. Water and/or ice speeds the production of sulfur dioxide gas.

**HAZARDOUS REACTIONS:** .....Avoid elevated temperatures. Temperatures above 150(C) cause the rapid evolution of toxic and corrosive sulfur dioxide gas.

**HAZARDOUS DECOMP:** .....Sulfur dioxide and sodium sulfide residue. Sodium sulfide is flammable, a dangerous fire risk, a strong irritant to skin and tissue, and is incompatible with acids.



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### 11 – TOXICOLOGICAL INFORMATION

**LIKELY ROUTES OF EXPOSURE:** ..... Eyes, skin, inhalation, ingestion.

**TOXICOLOGICAL CHARACTERISTICS:**.....

**LISTED CARCINOGEN:** ..... This product contains no known or potential carcinogens

**DELAYED EFFECTS:** ..... Sodium metabisulfite is not mutagenic in microbial systems or in rat bone marrow metaphase assay or dominant lethal test in rats. A two year feeding study in rats was negative for carcinogenicity. In a three generation feeding study in rats, no adverse effects on reproduction was observed.

**IMMEDIATE EFFECTS:** ..... Repeated or prolonged contact with dust may cause irritation or burns to skin, eyes, inhalation, ingestion. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals.

**CHRONIC EFFECTS:** ..... Not Known.

INGREDIENTS	DATA
Sodium metabisulfite	Oral rat LD50 3200 mg/kg

### 12 – ECOLOGICAL INFORMATION

#### ENVIRONMENTAL FATE AND DISTRIBUTION:

PRODUCT	DATA
Ceriodaphnia	48hr LC50 395 mg/l
Fathead Minnow	96hr LC50 >1000 mg/l

**PERSISTENCE AND DEGRADABILITY:** ..... Chemical Oxygen demand (COD) 168 mg/g

**BIOACCUMULATIVE POTENTIAL:** ..... Not determined.

**MOBILITY IN SOIL:** ..... Not determined.

**OTHER ADVERSE EFFECTS:** ..Not determined.

### 13 –DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** .....Dispose of in accordance with all local, state, and federal regulations.

### 14 – TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** ..... Bisulfite Aqueous Solutions, N.O.S. (Sodium Metabisulfite)



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HAZARD CLASS: .....8  
UN/NA NUMBER: .....UN2693  
PACKAGING GROUP: .....III



### 15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**TSCA STATUS:** .....All ingredients listed or exempt.

**SARA SECTION 311/312:** .....Acute hazard

**SARA SECTION 313:** .....The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements.

### 16 – OTHER INFORMATION

#### NFPA HAZARD RANKING

HEALTH	FIRE	REACTIVITY	SPECIAL
2	0	1	

#### HMIS HAZARD RANKING

HEALTH	FIRE	REACTIVITY	PPE
2	0	1	

This data is offered in good faith and believed to be accurate, but it is for the users to satisfy themselves of the product suitability for their own purpose. There is no warranty expressed or implied. The recommended hygiene and safe handling procedures are believed to be generally applicable.