

# SAFETY DATA SHEET

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COMPANY IDENTITY: CCI  
PRODUCT IDENTITY: REFRESH AC

SDS DATE: 05/31/2016

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH CFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: REFRESH AC  
SDS NUMBER: CR  
COMPANY IDENTITY: CCI CHEMICAL  
COMPANY ADDRESS: 3540 EAST 26<sup>TH</sup> STREET, VERNON, CALIFORNIA 90058  
COMPANY PHONE: 800-767-9112  
EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)  
CANUTEC: 1-613-996-6666 (CANADA)

## SECTION 2. HAZARDS IDENTIFICATION



**DANGER!!**

### EXPOSURE PREVENTION:

### HAZARD STATEMENTS:

**H100s = General, H200s = Physical, H300 = Health, H400s = Environmental**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.  
H332 Harmful if inhaled.

### PRECAUTIONARY STATEMENTS:

**P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**

P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do – Continue rinsing.  
P309+311 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.  
P405+102 Store locked up. Keep out of reach of children.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>MATERIAL</b>	<b>CAS#</b>	<b>EINECS#</b>
Sodium Metabisulfite	7681-574	-----
Water	7732-18-5	231-791-2

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant Additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

**SECTION 4. FIRST AID MEASURES****EYE CONTACT:**

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. Roll eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

**SKIN CONTACT:**

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

**INHALATION:**

After high vapor exposure, remove to fresh air. If it is suspected that the fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest, breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**SWALLOWING:**

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

**NOTES TO PHYSICIAN:**

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis Should be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim.

## **SECTION 5. FIRE FIGHTING MEASURES**

### **FIRE & EXPLOSIONS PREVENTIVE MEASURES:**

Isolate from oxidizers, acids, and extreme heat.

### **FLASH POINT:**

None.

### **EXTINGUISHING MEDIA:**

Use appropriate extinguishing media for surrounding fire.

### **SPECIAL FIRE FIGHTING PROCEDURES:**

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

### **UNUSUAL EXPLOSION AND FIRE PROCEDURES:**

Noncombustible.

Thermal decomposition produces toxic fumes.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:**

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

### **PERSONAL PROTECTIVE EQUIPMENT:**

The proper protective equipment for incidental releases (such as: 1 Litter of the product released in a well-ventilated area), use impermeable gloves (triple-gloves, rubber gloves and nitrile gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

### **ENVIRONMENTAL PRECAUTIONS:**

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container, keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

### **CONTAINMENT AND CLEAN-UP MEASURES:**

Absorb spilled liquid with poly pads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13- Disposal Considerations).

**SECTION 7. HANDLING AND STORAGE****HANDLING:**

Use only with adequate ventilation. Do not get in eyes, on skin or clothing. Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

**STORAGE:**

Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Isolate from acids, alkali and other incompatible substances. Store in accordance with good industrial practices.

**PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:**

Follow practices indicated in section 6 (Accidental Release Measures). Make sure certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilations is provided. Collect all reinstates and dispose of according to applicable Federal, State, Provincial, or local procedures.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>MATERIAL</b>	<b>CAS#</b>	<b>EINECS#</b>	<b>TWA (OSHA)</b>	<b>TLV (ACGIH)</b>
Sodium Metabisulfite	7681-574	-----	None Known	None Known
Water	7732-18-15	231-791-2	None Known	None Known

<b>MATERIAL</b>	<b>CAS#</b>	<b>EIENECS#</b>	<b>CEILING</b>	<b>STEL (OSHA/ACGIH)</b>	<b>HAP</b>
Sodium Metabisulfite	7681-574	-----	Not available	Not available	No

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

**RESPIRATORY EXPOSURE CONTROLS:**

A respiratory protective program that meets OSHA CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

**VENTILATION:**

LOCAL EXHAUST: Necessary      MECHANICAL (General): Necessary

SPECIAL: None      OTHER: None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

**PERSONAL PROTECTION:**

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

**WORK & HYGIENIC PRACTICES:**

Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

**SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:**

APPEARANCE:	Pale yellow clear liquid
ODOR:	Sharp, Pungent with Neutral Fragrance
ODOR THRESHOLD:	Not Available
Ph (Neat):	5-6
FREEZING POINT:	N/A
BOILING POINT:	> 100°C / > 212°F
FLASH POINT (TEST METHOD):	None
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C:	9
VAPOR DENSITY (air = 1):	0.670
GRAVITY @ 68/68F / 20/20C:	
SPECIFIC GRAVITY (Water = 1):	1.30-1.33
POUNDS/GALLON:	10.842
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERAURE:	Not Available

**SECTION 10. STABILITY & REACTIVITY****STABILITY:**

Stable under most conditions.

**CONDITIONS TO AVOID:**

Gradually oxidizes to sodium sulfate on exposure to air. Temperatures at or near boiling point causes evolution of toxic and corrosive sulfur dioxide.

**MATERIALS TO AVOID:**

Mineral acids, oxidizing agents. Contact with acids liberates irritating sulfur dioxide gas. Corrosive to steel, carbon steel, and other common materials of construction at ambient temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Sodium oxide & hydroxide, Sulfur dioxide from heating.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION****ACUTE HAZARDS****EYE & SKIN CONTACT:**

Severe burns to skin, defatting, dermatitis.  
 Severe burns to eyes, redness, tearing, and blurred vision.  
 Liquid can cause severe skin & eye burns. Wash thoroughly after handling.

**INHALATION:**

Mist irritating to respiratory tract.

**INGESTION:**

Swallowing may cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED****CONDITIONS AGGRAVATED:**

None Known.

**CHRONIC HAZARDS****CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date  
Greater or equal to 0.1%.

**IRRITANCY OF PRODUCT:** This product is irritating to contaminated tissue.

**SENSITIZATION TO THE PRODUCT:** No component of this product is known to be a sensitizer.

**MUTAGENICITY:** This product is not reported to produce mutagenic effects in humans.

**EMBRYOTOXICITY:** This product is not reported to produce embryotoxic effects in humans.

**TERATOGENICITY:** This product is not reported to produce teratogenic effects in humans.

**REPRODUCTIVE TOXICITY:** This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

**TOXICITY INFORMATION**

**ORAL LD50:** Data not available.

**DERMAL LD50:** Data not available

**INHALATION LC50:** Data not available

**CHRONIC/CARCINOGENICITY:** No evidence available.

**TERATOLOGY:** No data available

**REPRODUCTION:** No data available

**MUTAGENICITY:** Data not available

**SPECIES DATA:**

ORAL LD50 (Mouse) 820 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION:

Not Available.

### MOBILITY IN SOIL:

Mobility of this material has not been determined.

### DEGRADABILITY:

This product is completely biodegradable.

### ACCUMULATION:

Bioaccumulation of this product has not been determined.

## SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.



## SECTION 14. TRANSPORT INFORMATION

DOT/TDG SHIP NAME: UN2693, Bisulfites, Aqueous Solution, N.O.S. (Sodium Bisulfite), 8, PG III.

DRUM LABEL: (CORROSIVE)

IATA / ICAO: UN2693, Bisulfites, Aqueous Solution, N.O.S. (Sodium Bisulfite), 8, PG III

IMO / IMDG: UN2693, Bisulfites, Aqueous Solution, N.O.S. (Sodium Bisulfite), 8, PG III

EMERGENCY RESPONSE GUIDEBOOK NUMBER 154

**SECTION 15. REGULATORY INFORMATION****EPA REGULATIONS:**

SARA SECTION 311/312 HAZARDS: Acute Health

ALL components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated < \* > toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372.

This information must be included in all MSDSs that are copied and distributed for this material.

<b>SARA TITLE III INGREDIENTS</b>	<b>CAS#</b>	<b>WT%</b>	<b>(REG.SECTION)</b>	<b>RQ (LBS)</b>
Sodium Metabisulfite	7681-574	40	(311,312)	1000

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively.

Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

**STATE REGULATIONS:**

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

**INTERNATIONAL REGULATIONS:**

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL,NDSL), China (IECSC), Europe (EINECS,ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIOC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

**CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

D2B: Irritating to skin / eyes.

E: Corrosive Material.

**SECTION 16. OTHER INFORMATION****HAZARD RATINGS:**

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, PHYSICAL HAZARD: 1

(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.

**EMPLOYEE TRAINING:**

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.



**NOTICE**

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty, express or implied is made by C.C.I. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does C.C.I. assume any liability arising out of use by others of this product.