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In Case Of Emergency Call ChemTel  
(U.S.) (800) 255-3924  
(International) +1 (813) 248-0585

## Aminoguanidine Bicarbonate Safety Data Sheet

### 1. Product and Company

Product name: Aminoguanidine Bicarbonate  
Synonym: Aminoguanidine Hydrogen Carbonate  
CAS-No.: 2582-30-1  
Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080  
Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	1
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: ChemTel US: 1-800-255-3924  
ChemTel International: +1-813-248-0585

### 2. Hazards

GHS Classification Skin sensitization (Category 1), H317

#### GHS Label elements

Pictogram(s)



Signal word **WARNING**

Hazard statement(s)

H317 May cause allergic skin reaction.

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

- P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves.  
 P302 If on skin: Wash with plenty of soap and water.  
 P333 If rash occurs: Get medical attention.  
 P501 Dispose of contents to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None.

**3. Composition/Ingredients**

**Substance**

Formula:  $\text{HN}=\text{C}(\text{NH}_2)\text{NH}-\text{NH}_2-\text{H}_2\text{CO}_3$   
 Molecular weight: 136.09 g/mol  
 CAS-No.: 2582-30-1

Material	CAS	%	OSHA	ACGIH
Aminoguanidine Bicarbonate	2582-30-1	100%	Not Established	Not Established

**4. First Aid**

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid For Ingestion:** If swallowed, call a physician immediately.

**5. Fire Data**

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: 473°F (245°C)

Flammable Limits: Not Applicable

Extinguishing Media: Water, carbon dioxide or foam.

Fire Fighting Procedure: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic fumes.

Fire/Explosion Hazards: Avoid dusting.

**6. Accidental Release**

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water.

Collect wash water for approved disposal. Keep from entering water or ground water.

**7. Handling And Storage**

Storage Temperatures: Product must be stored below 30°C to reduce the risk of decomposition and discoloration.

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: Sensitive to heat and light. Will discolor.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## **8. Exposure Controls/Personal Protection**

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## **9. Physical And Chemical Properties**

Physical Form: Fine crystals

Color: White to Light Yellow to Pink

Odor: Odorless

Molecular Weight: 136.09

Boiling Point: N/A

Melting/Freezing Point: ~170°C

Solubility In Water: Insoluble

Specific Gravity: Not established

## **10. Stability And Reactivity**

Stability: Will discolor with exposure to light and heat. Keep below 30°C (85°F).

Hazardous Polymerization: Will not occur.

Incompatibilities: Oxidizing substances, acids, hydroxides.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: ~170°C

Decomposition Products: Oxides of Carbon and Nitrogen

## **11. Toxicological Information**

RTECS Number: Not Applicable

Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: LD50: Oral-Rat > 5,000 mg/kg

Chronic Toxic Effects: This product has not been fully tested.

Acute Toxic Effects: Harmful if swallowed, inhaled, or absorbed through skin. Material can be destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.

Inhalation could be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

## **12. Ecological Information**

Ecotoxicity: Not available at this time.

## **13. Disposal Considerations**

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## **14. Transportation Information**

Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Aminoguanidine Bicarbonate)

UN Number: 3077

Class: 9

P.G.: III

Label Code: 9

## **15. Regulatory Information**

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

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances which the state of California has found to cause cancer, birth defects, or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

## **16. Other Information**

Prepared By: Michael Richard

Date: March 20, 2018

Reason For Issue: Emergency Contact Update

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