



Hummel Croton Inc.
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MSDS



Aminoguanidine Bicarbonate

In case of Emergency Call Chemtrec®
(U.S.) (800)-424-9300
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Section I. Chemical Product and Company Identification

Supplier:

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080
(908)-754-1800

Chemical Name:

Aminoguanidine Bicarbonate

Synonym:

Aminoguanidine Hydrogen Carbonate

CAS Number: 2582-30-1

Chemical Formula:

$\text{HN}=\text{C}(\text{NH}_2)\text{NH}-\text{NH}_2\cdot\text{H}_2\text{CO}_3$

HMIS Rating

Health	1
Flammability	0
Reactivity	0
Personal Protection	E

Section II. Composition and Information on Ingredients

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

Since no Exposure limits have been established for Aminoguanidine Bicarbonate by OSHA & ACGIH, we recommend that our product should be treated as a nuisance dust 15 mg/m³.

Section III Hazards Identification:

Accute Health Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Chronic Health Effects: This product has no known chronic effects. Repeated or prolong exposure to this compound is not known to aggravate medical conditions.

Accute Health Effects: This product is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.

Section IV. First Aid Measures

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.

Section V. Fire and Explosion Data

Flammability: Non-Flamable

Flash Points: Not Applicable

Auto-Ignition: 473 F (245 C); DIN 51794

Flammable Limits: Not Applicable

Extinguishing Media: Water, Carbon Dioxide, & Foam

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

Fire/Explosion Hazards: Avoid dusting.

Section VI. Accidental Release Measures

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

Section VII. Handling and Storage

Storage Temperatures: Product must be stored below 30°C (85°F) to reduce the risk of decomposition and discoloration.

Shelf Life: Unlimited in tightly closed 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 (see Section X). Reseal containers immediately after use. Store away from food and beverages.

Section VIII. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

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

Section IX. Physical and Chemical Properties

Physical Form: Fine Crystals

Color: White-lt. Yellow-Pink

Odor: Odorless

Molecular Weight: 136.09

Boiling Point: Not Applicable

Melting/Freezing Point: ~170°

Solubility In Water: Insoluble

Specific Gravity: Not Established

Section X. 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 (dec)

Decomposition products: Oxides of Carbon and Nitrogen

Section XI. Toxicological Information

RTECS Number: Not Applicable

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

Toxicity Data: To the best of our Knowledge this material has not been tested For guidance purpose sees Aminoguanidine RTECS# ME8225000 (scu-rat LD50 1258mg/kg, scu-mus LD50: 963 mg/kg)

Chronic Toxic Effects: This compound 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.

Section XII. Ecological Information

Ecotoxicity: Not available at this time.

Section XIII. Disposal Considerations

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

Section XIV. Transportation Information

Proper Shipping Name: Aminoguanidine Bicarbonate

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

Section XV. 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 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

Section XVI. Other Information

Prepared By: Mark Dugan

Date: January 05, 2009

Reason For Issue: Updated Format

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