

# NINGXIA TAIKANG PHARMACEUTICAL CO.,LTD

## SAFETY DATA SHEET

<b>PRODUCT NAME</b>	Aminoguanidine Bicarbonate 98.5%
<b>SYNONYMS, TRADE NAMES</b>	None
<b>CAS No:</b>	2582-30-1
<b>SUPPLIER</b>	Ningxia Taikang Pharmaceutical Co., Ltd Taisha Industrial Park, Pingluo, Ningxia China Phone: +86-952-3812762 E-mail: sales@nxdadi.com
<b>EMERGENCY TELEPHONE</b>	+86-952-381762 (office hours only)

### Section 1 - Chemical Product

MSDS Name: Aminoguanidine Bicarbonate 99%

Synonym: None.

Molecular Formula:  $\text{CH}_6\text{N}_4\cdot\text{H}_2\text{CO}_3;\text{C}_2\text{H}_8\text{N}_4\text{O}$

EC No.: 219-956-7

Manufacturer: Ningxia Taikang Pharmaceutical Co., Ltd

### Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
2582-30-1	Aminoguanidine Bicarbonate	98.5	219-956-7

Hazard Symbols: XI

Risk Phrases: 43 52/53

### Section 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The toxicological properties of this material have not been fully investigated.

#### Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.

#### **Section 4 - FIRST AID MEASURES**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

#### **Section 5 - FIRE FIGHTING MEASURES**

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

#### **Section 6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

#### **Section 7 - HANDLING and STORAGE**

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse. Discard contaminated shoes.

Storage: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 2582-30-1: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## **Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Crystalline powder

Color: white

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 125 deg C dec

Autoignition Temperature: 245 deg C ( 473.00 deg F)

Flash Point: Not available.

Explosion Limits, lower: N/A

Explosion Limits, upper: N/A

Decomposition Temperature: > 125 deg C

Solubility in water: <5 G/L WATER (20C)

Specific Gravity/Density:

Molecular Formula: CH<sub>6</sub>N<sub>4</sub>.H<sub>2</sub>CO<sub>3</sub>

Molecular Weight: 136.11

## **Section 10 - STABILITY AND REACTIVITY**

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, dust generation, excess heat, strong oxidants.

Incompatibilities with Other Materials: Oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

Hazardous Polymerization: Has not been reported.

## **Section 11 - TOXICOLOGICAL INFORMATION**

RTECS#:

CAS# 2582-30-1: FG1772000 LD50/LC50:

Not available.

Carcinogenicity: Aminoguanidine Bicarbonate - Not listed by ACGIH, IARC, or NTP.

Other: See actual entry in RTECS for complete information.

## **Section 12 - ECOLOGICAL INFORMATION**

None.

## **Section 13 - DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

## **Section 14 - TRANSPORT INFORMATION**

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

## **Section 15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases: R 43 May cause sensitization by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: S 24 Avoid contact with skin.

S 28A After contact with skin, wash immediately with

plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 2582-30-1: 2

Canada

CAS# 2582-30-1 is listed on Canada's DSL List.

CAS# 2582-30-1 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 2582-30-1 is listed on the TSCA inventory.

## Section 16 - OTHERS INFORMATION

MSDS created Date : 2018/10/10.



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