



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
62/A-2 2nd Stage, Industrial Suburb
Ashokpuram School Road, Yeshwanthpur
Bangalore-560 022, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357

Aminoguanidine bicarbonate, 98.5%

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

Aminoguanidine bicarbonate, 98.5%

Catalog Numbers:

14906-0000, 14906-0010, 14906-0050, 14906-2500

Synonyms:

None Listed

Company Information:

LEONID CHEMICALS

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb

Ashokpuram School Road

Bangalore-560 022, Karnataka, INDIA

Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	2582-30-1
Chemical Name	:	Aminoguanidine bicarbonate
%	:	98.5
EINECS#	:	219-956-7
Hazard Symbols	:	XI.
Risk Phrases	:	43

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:

May cause eye irritation.

Skin:

May cause skin irritation.



Ingestion:

Expected to be a low ingestion hazard.

Inhalation:

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

Chronic:

Not available.

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.

Skin:

In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

Ingestion:

Get medical aid. Wash mouth out with 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:

No Information Available

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.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.
Avoid generating dusty conditions.

SECTION 7 - HANDLING AND STORAGE

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

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. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Crystalline powder
Color	:	White - light pink
Odor	:	Odorless.
PH	:	Information not available.
Vapor Pressure	:	Information not available.
Viscosity	:	Information not available.
Boiling Point	:	Not applicable.
Freezing/Melting Point	:	125 deg C dec
Autoignition Temperature	:	245 deg C (473.00 deg F)
Flash Point	:	Information not available.
Explosion Limits, lower	:	Information not available.
Explosion Limits, upper	:	Information not available.
Decomposition Temperature	:	Information not available.
Solubility in water	:	<5 G/L WATER (20°C)
Specific Gravity/Density	:	Information not available.
Molecular Formula	:	H ₂ NNHC(=NH)NH ₂ .H ₂ CO ₃
Molecular Weight	:	136.11

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Not available.

Conditions to Avoid:
Incompatible materials, temperatures above 50°C (122°F).

Incompatibilities with Other Materials:
Strong oxidizing agents, acids.

Hazardous Decomposition Products:
Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen, ammonia.

Hazardous Polymerization:
Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 2582-30-1: FG1772000

LD50/LC50:

Not available.

Oral, rat: LD50 > 5000 mg/kg

Irritation:

Skin, rabbit: 24H non-irritant

Eye, rabbit: non-irritant

Carcinogenicity:

Aminoguanidine bicarbonate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other:

See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Acute fish toxicity:Brachydanio rerio: 1585 mg/L/96H
Acute bacterial toxicity:Activated sludge micro-organism EC50 320 mg/L
Acute toxicity for daphnia:EC0 >=100 mg/L/48H
Toxicity for algae:Growht rate EC50 scenedesmus subs. 10 mg/L/72H

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

IATA

Not regulated.

IMO

Not regulated.

RID/ADR

Not regulated.

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 37 Wear suitable gloves.

WGK (Water Danger/Protection)

CAS# 2582-30-1: 2

United Kingdom Occupational Exposure Limits

No information available.

United Kingdom Maximum Exposure Limits

No information available.

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.

Exposure Limits

No information available.

US FEDERAL

TSCA

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

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

