



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022

Date Updated: February 09, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

Product Name Ammonium carbonate  
 Product Code(s) AB0058  
 Recommended Use For Laboratory Research Use Only  
 Not for Human or Animal Drug Use

Supplier Bio Basic Inc.  
 Address 20 Konrad Crescent, Markham, Ontario,  
 Canada, L3R 8T4  
 Telephone (905) 474 4493  
 Fax (905) 474 5794  
 For Chemical Emergency Phone# (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Acute toxicity, Oral (Category 4), H302

For the full text of the H-Statements mentioned in this Section, see Section 16.

### GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statement(s)  
H302 Harmful if swallowed.

Precautionary statement(s)  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Ammonium carbonate	208-058-0	506-87-6	<100

## SECTION 4. ----- FIRST-AID MEASURES -----

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5. ----- FIRE FIGHTING MEASURES -----****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides, Nitrogen oxides (NOx)

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available

**SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

**SECTION 7. ----- HANDLING AND STORAGE-----****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Air sensitive. Keep in a dry place.

Storage class (TRGS 510): 13: Non Combustible Solids



- |  |                                     |
|--|-------------------------------------|
| b) Odour   | Ammonia odor                        |
| c) Odour Threshold                                       | No data available                   |
| d) pH  | No data available                   |
| e) Melting point/freezing point                          | Melting point/range: 58 °C (136 °F) |
| f) Initial boiling point and boiling range               | No data available                   |
| g) Flash point   | ( )No data available                |
| h) Evaporation rate                                      | No data available                   |
| i) Flammability (solid, gas)                             | No data available                   |
| j) Upper/lower flammability or explosive limits          | No data available                   |
| k) Vapour pressure                                       | No data available                   |
| l) Vapour density  | No data available                   |
| m) Relative density                                      | No data available                   |
| n) Water solubility                                      | slightly soluble                    |
| o) Partition coefficient: log Pow: 0.184 n-octanol/water |                                     |
| p) Auto-ignition temperature                             | No data available                   |
| q) Decomposition temperature                             | No data available                   |
| r) Viscosity   | No data available                   |
| s) Explosive properties                                  | No data available                   |
| t) Oxidizing properties                                  | No data available                   |

**Other safety information**

No data available

**SECTION 10. -----STABILITY AND REACTIVITY -----**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong acids

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

Other decomposition products - No data available In the

event of fire: see section 5

## SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

### Acute toxicity

LD50 Oral - Rat - male and female - 2,150 mg/kg  
(OECD Test Guideline 401)

LD50 Oral - Rat - female - 1,800 mg/kg  
(OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal - Rat - > 2,000 mg/kg  
(OECD Test Guideline 402)

LD50 Intravenous - Mouse - 96 mg/kg

Remarks: Lungs, Thorax, or Respiration:Respiratory stimulation. Behavioral:Convulsions or effect on seizure threshold.

### Skin corrosion/irritation

Skin - in vitro assay

Result: No skin irritation

(OECD Test Guideline 439)

### Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation (OECD  
Test Guideline 405)

### Respiratory or skin sensitisation

in vivo assay - Mouse

Does not cause skin sensitisation.

(OECD Test Guideline 429)

Remarks: Read-across (Analogy)

### Germ cell mutagenicity

Laboratory experiments have shown mutagenic effects. Ames test

Salmonella typhimurium Result:  
negative

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

### Reproductive toxicity

No data available

### Specific target organ toxicity - single exposure

No data available

### Specific target organ toxicity - repeated exposure

No data available

### Aspiration hazard

No data available

### Additional Information

RTECS: BP1925000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12. ----- ECOLOGICAL INFORMATION -----

### Toxicity

Toxicity to fish	LC50 - Fish - 119.46 mg/l - 96 h Remarks: Read-across (Analogy)
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 324.9 mg/l - 48 h
Toxicity to algae	static test EC50 - Pseudokirchneriella subcapitata (green algae) - 252.92 mg/l - 72 h static test NOEC - Pseudokirchneriella subcapitata (green algae) - 50 mg/l - 72 h

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### Other adverse effects

No data available

## SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

### Contaminated packaging

Dispose of as unused product.

## SECTION 14. ----- TRANSPORT INFORMATION -----

### DOT (US)

UN number: 3077 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Ammonium carbonate)  
Reportable Quantity (RQ): 5000 lbs Poison  
Inhalation Hazard: No

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## SECTION 15. ----- REGULATORY INFORMATION -----

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**SECTION 16. ----- OTHER INFORMATION-----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 09-Feb-2022

**End of SDS**