

SAFETY DATA SHEET

Ammonium Carbonate, for analysis



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1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Ammonium Carbonate, for analysis

Other means of identification

CAS-No 506-87-6

Recommended use of the chemical and restrictions on use

Recommended Use: Industrial use, manufacture of substances and laboratory chemicals.

Restrictions on Use: Not for pharmaceutical, household or other uses. Not recommended for use outside of recommended use

Manufacturer/Supplier

Carbon Científica LTDA
773, Alameda Bom Pastor
Ouro Fino, São José dos Pinhais / PR
Zip Code: 83020-625
Phone: +55 41 3384-0315
E-mail: contato@caboncientifica.com.br

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $(\text{NH}_4)_2\text{CO}_3$

Chemical name	CAS-No	Concentration %
Ammonium carbonate	506-87-6	100

Synonyms: Hartshorn salt

4. FIRST AID MEASURES

Inhalation

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

Skin Contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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Eye Contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

Ingestion

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

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

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) Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed.

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Hygiene measures

General industrial hygiene practice. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage conditions

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

Storage class

Storage class (TRGS 510): 11: Combustible Solids.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Ingredients with workplace control parameters

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, dust masks. Use respirators tested and approved under appropriate appropriate government standards. Control of environmental exposure. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder
Color	Colorless
Odor	Ammonia odor
pH	No data available
Melting point/freezing point	58°C
Boiling point/range	No data available
Flash point	Not Flammable
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limit	No data available
Vapor pressure	No data available

Vapor density	1,013.25 hPa at ca.60 °C
Relative density	No data available
Solubility (ies)	Slightly soluble
Partition coefficient: n-octanol/water	log Pow: 0.184
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Oxidizing properties	No data available
Molecular weight	96.09 g/mol
Bulk density	No data available

10. STABILITY AND REACTIVITY

Chemical Stability

The product is chemically stable under standard ambient conditions (room temperature).

Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Possibility of Hazardous Reactions

Violent reactions possible with: Strong oxidizing agents.

Conditions to Avoid

Strong heating and exposure to moisture.

Incompatible Materials

Strong acids.

Hazardous Decomposition Products

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Carcinogenicity	No data available
Aspiration hazard	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Laboratory experiments have shown mutagenic effects. Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Result: negative Remarks: (ECHA)
Skin corrosion/irritation	No data available
Specific Target Organ Toxicity	No data available
Reproductive Toxicity	No data available
Respiratory/Skin Sensitization	No data available

Additional Information

Endocrine disrupting properties

Product:

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

RTECS: BP1925000

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

12. ECOLOGICAL INFORMATION**Toxicity**

No data available

Persistence and Degradability	The methods for determining biodegradability are not applicable to inorganic substances.
PBT and vPvB Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other Adverse Effects	No data available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Product	No data available
Contaminated packaging	No data available

14. TRANSPORTATION INFORMATION

DOT	Not dangerous goods
TDG	Not dangerous goods
IMDG	Not dangerous goods
Marine Pollutant	Not dangerous goods
IATA/ICAO	Not dangerous goods

OTHER INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Brazilian Standard

ABNT NBR 14725-4:2014

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet ("SDS") is correct to the best of our knowledge, information, and belief at the date of publication. The information in this SDS relates only to the specific Product identified under Section 1, and does not relate to its use in combination with other materials or products, or its use as to any particular process. Those handling, storing, or using the Product should satisfy themselves that they have current information regarding the particular way the Product is handled, stored or used and that the same is done in accordance with federal, state and local law. The Carbon Científica NOT MAKE ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION) WARRANTIES WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN OR WITH RESPECT TO FITNESS FOR ANY PARTICULAR USE. The Carbon Científica DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, INJURY, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.
