


<p>Page 1 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Ammoniumhydrogencarbonat</p>	 <p>Revision Date 27.11.2018</p>
---	---	---

## 1 Identification of the substance/mixture and of the company/undertaking

- Informations to product No. 2076
- Product name:

### Ammoniumhydrogencarbonat Ammonii hydrogencarbonas

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH  
Herderstr. 31  
40721 Hilden  
Tel.: 02103/4994-0  
Fax: 02103/32360  
e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz  
Langenbeckstr. 1, 55131 Mainz  
Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

## 2 Hazards identification

- **GHS-Labeling Elements:**



- **Signal word:** Warning

- **H-Phrases:**

H302 Harmful if swallowed

- **P-Phrases:**

P301 IF SWALLOWED:

P313 Get medical advice/attention


**Acute Tox. 4**

## 3 Composition / information on ingredients

- **Chemical characterization:**

**CAS-No. Substance name**

1066-33-7 Ammonium hydrogencarbonate

<p>Page 2 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Ammoniumhydrogencarbonat</p>	 <p>Revision Date 27.11.2018</p>
---	---	---

- **EINECS-No.:** 213-911-5
- **REACH Reg. No.:** 01-2119486970-26-0000
- **INCI-Name:** Ammonium Bicarbonate

#### 4 First aid measures

- **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice.
- **After skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

#### 5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Not combustible. In case of fire dangerous gases / vapours can be released: Carbon oxides, ammonia.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

#### 6 Accidental release measures


- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

#### 7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:**  
Tightly closed. Store at a dry place. Protect from light.

#### 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Dust protection mask
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Tightly closing Safety glasses

<p>Page 3 of 4</p> <p>Print Date 27.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Ammoniumhydrogencarbonat</p>	 <p>Revision Date 27.11.2018</p>
---	---	---

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** smell of ammonia
- **Melting point / melting range:** 58 °C
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 1000 g/l
- **pH-range:** (100 g/l, 20 °C) 9,4

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Avoid heating.
- **Materials to avoid:** Hydrogen peroxide
- **Hazardous decomposition products:** Ammonia

## 11 Toxicological information

- **Acute toxicity:**
- LD/LD50-data relevant for hazard classification:**  
10361-29-2 Ammonium carbonate  
Oral: LD50: 1975 mg/kg (rat)
- **Primary irritant effect:**
- **on respiratory organs:**  
After inhalation of dust: slight irritations on respiratory ways.
- **after swallowing:** Local irritations, Illness, Vomiting, Diarrhea.

## 12 Ecological information


- **Aquatic toxicity:**  
Bacteria: Pseudomonas putida: EC50: 1895 mg/l; 16h  
For ammonium ions: Fishes: toxic above 0,3 mg/l
- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

## 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

## 14 Transport informations

- **Land transport according to ADR:**  
Not classified as dangerous in the meaning of transport regulations.

Page 4 of 4  Print Date 27.11.2018	<b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)  Ammoniumhydrogencarbonat	 Revision Date 27.11.2018
--	--	---

## 15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

· **Hazard symbols:** GHS07

· **Signal word:** Warning

· **H-Phrases:**

H302 Harmful if swallowed

· **P-Phrases:**

P301 IF SWALLOWED:

P313 Get medical advice/attention

· **National regulations (Germany):**

· **Water hazard class:** see chapter 12

· **Storage class TRGS 510:** 11

## 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.