

## Safety Data sheet

According to Directive 1907/2006

### 0193 AMMONIUM HYDROGEN CARBONATE

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Creation Date: 01/12/2010 Revision date: 31/05/2017

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## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Catalogue No: 0193 Product name: AMMONIUM HYDROGEN CARBONATE Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119486970-26-0000

### Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

### Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología \*Madrid\* Tel:915620420 Chemtrec: 800-424-9300

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## 2. Hazards identification

Labelling in accordance with directive 1907/2006



### R-phrases

22 Harmful if swallowed.

Labelling in accordance with directive 1272/2008



### H-phrases

302 Harmful if swallowed.

### P-phrases

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Signal word : WARNING

HARMFUL

R-phrases:

Harmful if swallowed.

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### 3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 1066-33-7

Molecular Weight: 79,06

Chemical formula:  $\text{NH}_4\text{HCO}_3$

EC-No.: 213-911-5

R-phrases 22

For more information about the R-Phrases text you can consult the paragraph 16

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### 4. First aid measures

**After inhalation:**

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

**After eye contact:**

Rinse with abundant water, keeping eyelids open (at least 10 min)

**After swallowing:**

Drink lots of water

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

Fireproof

Ambient fire may liberate hazardous vapours

The following may develop in event of fire nitrogen oxides

**Special protective equipment for fire fighting:**

Remain in the risk area only if provided with independent artificial respiratory systems.

**Other information:**

Precipitate emergent steam with water

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

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### 6. Accidental release measures

**Person-related precautionary measures:**

Avoid dust formation

Do not inhale dust

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

**Environmental protection measures:**

Do not send it to the sewerage system

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### 7. Handling and storage

**Quality Chemicals, S.L.**

Inscrita en el Registro Mercantil de Barcelona,  
tomo 30166, folio 195, Sección General, hoja 169845.  
Identificación fiscal ES B61403242

Handling: Without other exigencies

**Storage:**

Well closed

Dry place.

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 10 mg/m<sup>3</sup>

### Personal protective equipment:

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Needed

Protection gloves:

Nitrile rubber

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands and face when the work is finished

Fulfill the commitments under local environmental protection legislation

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## 9. Physical and chemical properties

Physical state: Solid

Colour: Colourless

Odour: Slightly of ammonia

pH value: 8 (50 g/l H<sub>2</sub>O)

Melting point: 107,5

Vapour pressure: 67 hPa

Solubility: 220 g/l (water)

log P(ow): -2,4

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## 10. Stability and reactivity

**Substances to be avoided:**

Nitrates.

Nitrites.

Alkaline hydroxides.

Acids.

**Hazardous decomposition products:**

Ammonia.

Carbon dioxide.

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## 11. Toxicological information

**Acute toxicity:**

LD50 (oral, rat): 1750 mg/kg

**After eye contact:**

Slight irritation

**After skin contact:**

Drying-out effect resulting in rough and chapped skin

**After swallowing:**

Nausea

Vomiting

**Further toxicological information:**

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

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**12. Ecological information**

Fishes: Onchorhynchus mykiss LC50: 173 mg/l /96 h

Bacteria: Ps. putida EC50: 1895 mg/l /16 h

Log P(ow): -2,4

Bioaccumulation: No bioaccumulation is to be expected (log Pow<1)

**Other harmful effects:**

Bactericidal effect

Highly toxic for aquatic organisms

Do not allow to enter waters, waste water, or soil

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**13. Disposal considerations**

**Product:**

Dispose as regulated in the community countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in

**Packaging:**

Product packaging disposal must be disposed of in compliance with the respective local regulations.

For contaminated packaging the same measures must be adopted as for the contaminated product.

Not contaminated packaging must be disposed of as domestic residues or recycled material.

European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

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**14. Transport information**

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

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**15. Regulatory information**

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**16. Other information**

Full text of R phrases mentioned in sections 2 and 3

22 Harmful if swallowed.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.