

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 Commission**  
**regulation (EU) 2020/878**

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

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

### 1.1 Product identifier

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

**Article number:** AM0365

**CAS Number:**  
6009-70-7

**EC number:**  
229-347-8

### 1.2 Registration number

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### 1.3 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

**Application of the substance / the preparation:** Laboratory reagent

### 1.4 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Scharlab, S.L.  
C/Gato Pérez, 33. Pol.Ind. Mas d'en Cisa  
08181 Sentmenat (Barcelona) SPAIN  
Tel: (+34) 93 745 64 00 - FAX: (+34) 93 715 27 65  
email: scharlab@scharlab.com  
Internet Web Site: www.scharlab.com

#### Regional representation:

Scharlab, S.L.  
C/Gato Pérez, 33. Pol.Ind. Mas d'en Cisa  
08181 Sentmenat (Barcelona) SPAIN  
Tel: (+34) 93 745 64 00 - FAX: (+34) 93 715 27 65  
email: scharlab@scharlab.com  
Internet Web Site: www.scharlab.com

**Further information obtainable from:** technical department

### 1.5 Emergency telephone number:

Please contact the regional Scharlab distributor/dealer in your country  
During normal opening times: Scharlab, S.L. (+34) 93 715 18 11

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**



Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 Commission**  
**regulation (EU) 2020/878**

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

(Contd. of page 1)

**Hazard pictograms**

GHS07

**Signal word** Warning**Hazard statements**

H302+H312 Harmful if swallowed or in contact with skin.

**Precautionary statements**

P280 Wear protective gloves / protective clothing.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P321 Specific treatment (see on this label).

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Substances****CAS No. Description**

6009-70-7 Ammonium oxalate monohydrate

**Identification number(s)****EC number:** 229-347-8**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** Call for a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

(Contd. on page 3)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 Commission**  
**regulation (EU) 2020/878**

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
See product's label for recommended storage temperature.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31 Commission regulation (EU) 2020/878

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

(Contd. of page 3)

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye/face protection** Not required.

## SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• **General Information**

• **Physical state**

Solid

• **Colour:**

White

• **Odour:**

Odourless

• **Odour threshold:**

Not determined.

• **Melting point/freezing point:**

Undetermined.

• **Boiling point or initial boiling point and boiling range**

Undetermined.

• **Flammability**

Product is not flammable.

• **Lower and upper explosion limit**

• **Lower:**

Not determined.

• **Upper:**

Not determined.

• **Flash point:**

Not applicable.

• **Decomposition temperature:**

Not determined.

• **pH**

Not applicable.

• **Viscosity:**

• **Kinematic viscosity**

Not applicable.

• **Dynamic:**

Not applicable.

• **Solubility**

• **water at 20 °C:**

45 g/l

• **Partition coefficient n-octanol/water (log value)**

Not determined.

• **Vapour pressure:**

Not applicable.

• **Density and/or relative density**

• **Density:**

Not determined.

• **Relative density**

Not determined.

• **Vapour density**

Not applicable.

• **9.2 Other information**

• **Appearance:**

• **Form:**

Crystalline

• **Important information on protection of health and environment, and on safety.**

• **Auto-ignition temperature:**

Not determined.

• **Explosive properties:**

Product does not present an explosion hazard.

• **Change in condition**

• **Evaporation rate**

Not applicable.

• **Information with regard to physical hazard classes**

• **Explosives**

Void

• **Flammable gases**

Void

• **Aerosols**

Void

• **Oxidising gases**

Void

(Contd. on page 5)



# Safety data sheet

according to 1907/2006/EC, Article 31 Commission regulation (EU) 2020/878

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

(Contd. of page 4)

• <b>Gases under pressure</b>	Void
• <b>Flammable liquids</b>	Void
• <b>Flammable solids</b>	Void
• <b>Self-reactive substances and mixtures</b>	Void
• <b>Pyrophoric liquids</b>	Void
• <b>Pyrophoric solids</b>	Void
• <b>Self-heating substances and mixtures</b>	Void
• <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
• <b>Oxidising liquids</b>	Void
• <b>Oxidising solids</b>	Void
• <b>Organic peroxides</b>	Void
• <b>Corrosive to metals</b>	Void
• <b>Desensitised explosives</b>	Void

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed or in contact with skin.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

(Contd. on page 6)

# Safety data sheet

according to 1907/2006/EC, Article 31 Commission regulation (EU) 2020/878

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

(Contd. of page 5)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

#### ADR, IMDG, IATA

UN2811

### 14.2 UN proper shipping name

#### ADR

2811 TOXIC SOLID, ORGANIC, N.O.S. (Ammonium oxalate monohydrate)

#### IMDG, IATA

TOXIC SOLID, ORGANIC, N.O.S. (Ammonium oxalate monohydrate)

### 14.3 Transport hazard class(es)

#### ADR, IMDG, IATA



#### Class

6.1 Toxic substances.

#### Label

6.1

### 14.4 Packing group

#### ADR, IMDG, IATA

III

### 14.5 Environmental hazards:

#### Marine pollutant:

No

### 14.6 Special precautions for user

Warning: Toxic substances.

### Hazard identification number (Kemler code):

60

### EMS Number:

F-A, S-A

### Stowage Category

A

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

### Transport/Additional information:

#### ADR

#### Limited quantities (LQ)

5 kg

#### Transport category

2

#### Tunnel restriction code

E

#### UN "Model Regulation":

UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (AMMONIUM OXALATE MONOHYDRATE), 6.1, III

(Contd. on page 7)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 Commission**  
**regulation (EU) 2020/878**

Printing date 08.02.2023

Version number 3.0 (replaces version 2.0)

Revision: 08.02.2023

**Trade name:** di-Ammonium oxalate monohydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

(Contd. of page 6)

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I -**
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** product safety department

- **Contact:** msds@scharlab.com

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4