

## Safety Data sheet

According to Directive 1907/2006

### 0134 mono-CHLORACETIC ACID

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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: 0134 Product name: mono-CHLORACETIC ACID Use of the substance: Chemical-pharmaceutical production

### 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

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

50 Very toxic to aquatic organisms.

#### S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)

61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

63 In case of accident by inhalation

Labelling in accordance with directive 1272/2008

**H-phrases**

314 Causes severe skin burns and eye damage.  
400 Very toxic to aquatic life.  
331 Toxic if inhaled.  
311 Toxic in contact with skin.  
301 Toxic if swallowed.

**P-phrases**

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
312 Call a POISON CENTER or doctor/physician if you feel unwell.  
322 Specific measures (see  
305+351 If in eyes: Rinse cautiously with water for several minutes.  
338 Remove contact lenses, if present and easy to do. Continue rinsing.  
260 Do not breathe dust/fume/gas/mist/vapours/spray.  
271 Use only outdoors or in a well-ventilated area.  
311 Call a POISON CENTER or doctor/physician.  
273 Avoid release to the environment.  
391 Collect spillage.

Signal word : DANGER

TOXIC; DANGEROUS FOR ENVIRONMENT

R-phrases:

Toxic by inhalation, in contact with skin and if swallowed.  
Causes burns.  
Very toxic to aquatic organisms.

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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.: 79-11-8

Molecular Weight: 94,50

Chemical formula:  $\text{ClCH}_2\text{COOH}$

EC-Index-No.: 607-003-00-1

EC-No.: 201-178-4

R-phrases 23/24/25; 34; 50

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

If necessary, artificial respiration

After skin contact:

Rinse with abundant water (or have a shower)

Extract the substance by means of cotton impregnated with polietilenglicol 400

Undress immediately of the contaminated clothes

**After eye contact:**

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

Call the ophthalmologist

**After swallowing:**

Drink lots of water  
Avoid vomiting (perforation risk)  
Call the doctor

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## 5. Fire-fighting measures

**Suitable extinguishing media:**

Water  
Carbon dioxide  
Foam  
Dust

**Special risks:**

Combustible  
Ambient fire may liberate hazardous vapours  
The following may develop in event of fire: hydrochloric acid

**Special protective equipment for fire fighting:**

Remain in the risk area only if provided with independent artificial respiratory systems.  
In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

**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 contact with the substance  
Avoid dust formation  
Do not inhale dust  
Ventilation in closed spaces

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.  
Rinse.

To avoid the inert dust formation

**Environmental protection measures:**

Do not send it to the sewerage system

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## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed  
In well-ventilated place  
Dry place.  
Only accessible to experts

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 0.5 mg/l

**Personal protective equipment:****Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Protection gloves:

Natural latex

**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

Neither to eat, nor to drink, nor to smoke during the work

Work under extractor

Do not inhale the substance

Fulfill the commitments under local environmental protection legislation

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**9. Physical and chemical properties**

Physical state: Solid

Colour: Colourless

Odour: Biting

pH value: <1

Melting point: 63°C

Boiling point: 189°C

Ignition temperature: 460°C

Flash point: 126°C

Explosion limits: Low 8.0% ; High: not available

Vapour pressure: 1 hPa

Solubility: Water 4210 g/l

log P(ow): 0.22

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**10. Stability and reactivity****Substances to be avoided:**

Amines.

Alkaline hydroxides.

Strong reducing agents.

**Hazardous decomposition products:**

Hydrogen chloride.

**Further information:**

Hygroscopic.

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**11. Toxicological information****Acute toxicity:**

LC50 (inhalation, rat): 180 mg/m<sup>3</sup>; LD50 (dermal, rabbit): 250 mg/kg; LD50 (oral, rat): 90.4 mg/kg

**After eye contact:**

Burns

Risk of blindness

**After skin contact:**

Burns  
Risk of cutaneous absorption  
Causes poorly healing wounds  
**After inhalation:**  
Irritations of the mucous membranes  
Coughing  
Dyspnoea  
Burns in the digestive tract  
**After long contact:**  
Due to absorption:  
Vomiting  
Agitation  
Spasms  
Loss of consciousness  
Coma  
Death  
Latency time until onset of action  
Cardiovascular disorders  
CNS disorders  
**After swallowing:**  
Irritations of mucous membranes in the mouth  
Irritations of oesophagus  
Gastrointestinal disorders  
**Further toxicological information:**  
Take the usual precautions for handling chemical products

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## 12. Ecological information

Fishes: P. promelas LC50: 145 mg/l/96h  
Daphnia: Daphnia CE50: 77-88 mg/l/48h  
Algae: Desmodesmus subspicatus CI50: 0.025 mg/l/72h  
Bacteria: Ps. putida CE10: 4630 mg/l/18h  
Log P(ow): 0.22  
Biodegradability: High  
Bioaccumulation: Bioaccumulation is not expected  
**Other harmful effects:**  
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

UN: 1751  
Class: 6.1 (8)  
Packaging group: II  
Correct technical name: CHLOROACETIC ACID, SOLID

#### **Sea transport IMDG**

UN: 1751  
Class: 6.1/II (8)  
Packaging group: II  
Correct technical name: CHLOROACETIC ACID, SOLID

#### **Air transport ICAO-IATA-DGR**

UN: 1751  
Class: 6.1 8 (8)  
Packaging group: II  
Correct technical name: CHLOROACETIC ACID, SOLID  
CAO: 675  
PAX: 668

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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

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

50 Very toxic to aquatic organisms.

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.