

**Safety Data Sheet**  
According to Regulation (EU) 830/2015

**1008 Acetic Acid glacial**

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Name:

Acetic Acid glacial

**REACH Registration Number:** 01-2119475328-30-XXXX

**1.2 Relevant identified uses of the substance or mixture:**

For laboratory utilisation, analysis, research and fine chemistry.

**1.3 Identification of the company or firm:**

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C/Garraf 2

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**1.4 Emergency telephone:**

Single telephone number for emergency calls: 112 (EU)

**2. Identification of dangers**

**2.1 Classification of the substance or the mixture.**

Flam. Liq. 3

Skin Corr. 1A

**2.2 Label elements:**

**Hazard Pictograms**



**Signal word**

### **Hazard statements**

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

## **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

### **3.1 Substances**

Name: Acetic Acid glacial

Formula: CH<sub>3</sub>COOH M.= 60,05 CAS [64-19-7]

EC number (EINECS): 200-580-7

EC index number: 607-002-00-6

REACH Registration Number: 01-2119475328-30-XXXX

### **3.2 Mixtures**

## **4. First aid measures**

### **4.1 Description of first aid measures**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **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**

#### **Swallowing:**

Drink large amounts of water., Avoid vomiting (there is a risk of perforation)., Seek immediate medical assistance., Do not neutralize.

#### **Inhaling:**

Take the person out into the fresh air., In the event sickness persists, seek medical assistance.

**Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing., Take the product out with cotton wool soaked in polyethylene-glycol 400.

**Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open., Seek immediate medical assistance.

**5. Firefighting measures****5.1 Extinguishing media:**

Carbon dioxide (CO<sub>2</sub>). Alcohol resistant foam. Dry powder. Atomized water.

**5.2 Special hazards arising from the substance or mixture:**

Flammable. Keep away from sources of ignition. Auf Rückzündung achten In the event of fire, toxic fumes may form: CO y CO<sub>2</sub>.

**5.3 Advice for firefighters:**

Suitable clothing and footwear. Self-contained breathing equipment. (EN 133)

**6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the fumes. Avoid contact with the skin, eyes or clothing. Ensure adequate ventilation.

**6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

**6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water. Neutralize with diluted sodium hydroxide.

**6.4 Reference to other sections**

Not applicable

**7. Handling and storage****7.1 Precautions for safe handling:**

Avoid the formation of electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat.

**Recommended storage temperature:** Room temperature.

**Recommended storage temperature:** Room temperature.

**7.3 Specific end use(s)**

No more relevant data available

**8. Exposure controls/personal protection**

### **8.1 Control parameters:**

VLA-EC: 15 ppm = 37 mg/m<sup>3</sup> VLA-ED: 10 ppm = 25 mg/m<sup>3</sup> EU ELV, Time weighted average:: 10 ppm = 25 mg/m<sup>3</sup>

#### **Derived No Effect Level (DNEL)**

Workers Inhalation, acute (local): 25 mg/m<sup>3</sup> Workers Inhalation, long term (local): 25 mg/m<sup>3</sup> Population Inhalation, acute (local): 25 mg/m<sup>3</sup> Population Inhalation, long term (local): 25 mg/m<sup>3</sup>

#### **Predicted No Effect Concentration (PNEC)**

Water: 3.058mg/l Soil: 0.478mg/kg bw/24h Sediment: 11.36mg/kg bw/24h Sewage treatment plant: 85mg/l

### **8.2 Exposure controls**

No special indications.

Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter E.

Hand protection:

Use suitable gloves (neopren, nitrile)

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

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

Appearance: liquid

Colour:

N/A

Granulometry: N/A

Odour: Piquant.

pH: ~2,5 ((50 g/l))

Melting point/freezing point: 16,7 °C

Initial boiling point and boiling range: 117 - 119 °C

Flash point: 40 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 17 %(V) / 6 %(V)

Vapour pressure: 15,4 hPa (20 °C)

Vapour density: N/A

Relative density: (20/4) 1,05 g/ml

Solubility: Miscible with water

Partition coefficient: n-octanol/water: - 0,17

Auto-ignition temperature: 485 °C

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity: 1,14 mPa.s (25 °C)

## 9.2 Other information

No more relevant data available

## 10. Stability and reactivity

### 10.1 Reactivity

No specific data.

### 10.2 Chemical stability:

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

### 10.3 Possibility of hazardous reactions

No specific data.

### 10.4 Conditions to avoid:

High temperatures. Adjacent sources of heat.

### 10.5 Incompatible materials:

Alcohols. Oxidant agents (amongst others: perchloric acid, perchlorates, halogenates, CrO<sub>3</sub>, halogen oxides, nitric acid, nitrogen oxides, non-metal oxides, chromo-sulphuric acid). Metals. Bases.

### 10.6 Hazardous decomposition products:

In case of fire, fumes of acetic acid. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

LD50 oral rat : 3.310 mg/kg

LC50 inh rat : 40 mg/l 4h

Dangerous effects for health:

**Skin corrosion/irritation:** Very corrosive substance. **Serious eye**

**damage/irritation:** Risk of, Serious injuries **Respiratory or skin sensitisation:**

No evidence. If swallowed:, stomach pains, nausea, vomiting, Burns in the oesophagus and stomach., Risk of, perforation of the intestine **Germ cell**

**mutagenicity:** No evidence. **Carcinogenicity:** Data not available.

## 12. Environmental information

### 12.1 Toxicity:

#### Acute toxicity for bacteria:

EC10 (Pseudomonas putida) 1000 mg/l (0,5h)

#### Acute toxicity for fish:

LC50 (Lepomis Macrochirus) 75 mg/l (96h)

LC50 (Pimephales Promelas) 88 mg/l (96h)

LC50 (Oncorhynchus mykiss) >300,82 mg/l (96h) (OECD 203)

#### Acute toxicity for aquatic invertebrates:

EC50 (Daphnia magna) >300,82 mg/l (48h) (OECD 202)

#### Acute toxicity for Algae:

EC50 (Skeletonema costatum) 300,82 mg/l (72h)

### 12.2 Persistence and Degradability :

Easily biodegradable product.

### 12.3 Bioaccumulative potential:

Data not available.

#### **12.4 Mobility in soil :**

Repartition:  $\log P(\text{oct}) = -0,17$

#### **12.5 Assessment PBT and MPMB :**

Data not available.

#### **12.6 Other adverse effects:**

Ecotoxic effects due to the pH variation.

The treatment is neutralization.

Do not allow it to enter the sewage system.

### **13. Disposal considerations**

#### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

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

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### **14. Transport information**

**14.1 UN number**

UN2789

**14.2 UN proper shipping name**

ACETIC ACID, GLACIAL

**14.3 Transport hazard class(es)**

8

3

**14.4 Packing group**

ADR/IMDG: II

IATA: II

**14.5 Environmental hazards****14.6 Special precautions for user**

Not applicable

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment**

Not applicable

**16. Other information**

**Other precautionary statements**

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.