

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Nr. CL00.0116  
Trade name Acetic acid glacial 99-100% a.r.  
REACH Registration Number 01-2119475328-30  
CAS-No. 64-19-7

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

Identified uses: Reagent for analysis  
In compliance with the conditions described in the annex to this safety data sheet.

#### 1.3 Information provided by CHEM LAB NV product service.

Responsible department: e-mail: info@chem-lab.be

#### 1.4 Emergency telephone: 00 (32) 50.28.83.20

### 2. Hazard identification

#### 2.1 Classification of the substance or the mixture (EG 1272/2008)

Flammable liquid, Categorie 3, H226  
Skin corrosion/irritation, Categorie 1A, H314

For the full text of H-sentences mentioned in this Section, see Section 16

Classification (REGULATION (EC) No 1272/2008) (67/548/EEG or 1999/45/EF)

F	Highly flammable	R10
C	Corrosive	R35

For the full text of R-sentences mentioned in this Section, see Section 16

#### 2.2 GHS-Labeling

GHS-Labeling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)

Hazard pictograms:



Signal word:  
DANGER

Hazard statements:

H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.

Precautionary statements:

P280	Wear protective gloves, protective clothing, eye protection, face protection.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P307 + P311

IF exposed: Call a POISON CENTER or doctor/physician.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Reduced labelling  
Hazard pictograms:



Signal word:  
DANGER

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

#### **3.1 Substance**

CAS-No. 64-19-7  
EC-Nr 200-580-7  
Index-No 607-002-00-6  
Formula CH<sub>3</sub>COOH

Component	Cas-No.	Concentration	Classification (REGULATION (EC) No 1272/2008)
Acetic acid glacial 99-100% a.r.	64-19-7	99.8+% CH <sub>3</sub> COOH	Flam. Liq. 3 (H226) Skin Corr. 1A (H314)

Component	Reach Number
Acetic acid glacial 99-100% a.r.	01-2119475328-30

(Full text of R\_Phrases in heading 16)

#### **3.2 Mixture**

Not applicable

### **4. First aid measures.**

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

##### **General advice**

First-aid personnel: ensure self-protection!

After inhalation: Remove to fresh air, seek medical advice.

After contact with skin: Wash off with plenty of water. Remove contaminated clothing.

After contact with eyes: Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately call an ophthalmologist.

After ingestion: Never give anything by mouth to an unconscious person. Make victim drink water (two glasses at most), avoid vomiting (risk of perforation!). Immediately call in physician. Do not attempt to neutralize.

#### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

no data available

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### **5. Fire fighting measures.**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use water, dry chemical or carbon dioxide.

##### **Unsuitable extinguishing media**

Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

#### **5.2 Special hazards arising from substance or mixture**

Combustible. Vapours heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

#### **5.3 Advice for firefighters**

Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

#### **5.4 Further information**

no data available

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### **6. Accidental release measures.**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms. For personal protection see section 8.

#### **6.2 Environmental precautions**

Do not allow to enter sewerage system; risk of explosion!

#### **6.3 Methods and materials for containment and cleaning up**

Absorb on vermiculite, sand or a pillow from Chemical Spill Center.

#### **6.4 Reference to other sections**

For disposal see section 13.

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### **7. Handling and storage.**

#### **7.1 Precautions for safe handling**

Keep away from sources of ignition. Take measures to prevent electrostatic charging. Work under hood. Do not inhale substance. Avoid generation of vapours/aerosols. For precautions see section 2.2

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

Closed in a well ventilated place.  
Recommended storage temperature see product label.

#### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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### **8. Exposure controls - Personal protection.**

#### **8.1 Control parameters**

#### **8.2 Exposure controls**

### **Engineering measures**

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

### **Individual protection measures**

Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood . Do not inhale substance.

### **Respiratory protections**

Required when vapours/aerosols are generated.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

### **Eye protection**

Required.

### **Hand protection**

Required.

### **Body protection**

Required.

### **Environmental exposure controls**

Do not allow to enter sewerage system; risk of explosion!

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

### **9.1 Information on basis physical**

#### Appearance

Form:	liquid
Colour:	colourless
Odour:	specific

#### Changes in physical state

Melting Point:	17°C
Boiling point:	118°C
Flash point:	40°C
Ignation temperature:	485°C
Mol. Weight:	60.05 g/mol
Density:	1,05 g/ml
pH value:	pH < 2
Solubility in water:	soluble
Explosion limits:	lower 4 vol% / upper 17 vol%
Further information:	explosion limits - lower 4 vol% / upper 17 vol%

### **9.2 Other data**

No further relevant information available.

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## **10. Stability and reactivity.**

### **10.1 Reactivity**

See section 10.3

## 10.2 Chemical stability

No further relevant information available.

## 10.3 Possibility of hazardous reactions

Explosible with air in a vaporous/gaseous state when heated

## 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 further relevant information available.

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## **11. Toxicological information.**

### 11.1 Information on toxicological effects

Acute oral toxicity

LD50 orl. rat 3310 mg/kg

Acute inhalation toxicity

No further relevant information available.

Acute dermal toxicity

No further relevant information available.

Skin irritation

No further relevant information available.

Eye irritation

No further relevant information available.

Sensitisation

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Carcinogenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

Teratogenicity

No further relevant information available.

Specific target organ toxicity - single exposure

No further relevant information available.

Specific target organ toxicity - repeated exposure

No further relevant information available.

Aspiration hazard

No further relevant information available.

### 11.2 Further information

No further relevant information available.

Further data:

Handle in accordance with good industrial hygiene and safety practice..

## 12. Ecological information.

### 12.1 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

No further relevant information available.

### 12.6 Other adverse effects

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

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## 13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## 14. Transport information.

### Land Transport (ADR/RID)

14.1 UN number	UN 2789
14.2 Proper shipping name	Acetic acid, glacial
14.3 Class	8 (3)
14.4 Packing group	II
14.5 Environmentally hazardous	-
14.6 Special precautions for user	no
Tunnel restriction code	(D/E)

### Inland waterway transport (ADN)

Not relevant

### Air Transport (IATA)

14.1 UN number	UN 2789
14.2 Proper shipping name	Acetic acid, glacial
14.3 Class	8 (3)
14.4 Packing group	II
14.5 Environmentally hazardous	-
14.6 Special precautions for user	no

### Sea Transport (IMDG)

14.1 UN number	UN 2789
14.2 Proper shipping name	Acetic acid, glacial
14.3 Class	8 (3)
14.4 Packing group	II
14.5 Environmentally hazardous	-
14.6 Special precautions for user	no

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

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## 15. Regulatory information.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

For this product an assessment was not carried out.

### 15.2 Chemical Safety Assessment

For this product an assessment was not carried out.

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## 16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although utmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.

Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

Full text of R-phrases referred to under section 2 and 3.

R10 Flammable.

R35 Causes severe burns.

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## Exposure scenario 1 (Industrial use)

### 1. Industrial use Reagent for analysis, (Chemical production)

#### Sectors of end-use

SU 3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU 9 Manufacture of fine chemicals

SU10 Formulation [mixing] of preparations and/ or re-packaging (excluding alloys)

#### Chemical product category

PC19 Removed from PC list and relocated in the technical function list (Table R.12- 15)24.

PC21 Laboratory chemicals

#### Process categories

PROC 1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC 2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC 4 Chemical production where opportunity for exposure arises

PROC 5 Mixing or blending in batch processes

PROC 8a Transfer of substance or mixture (charging and discharging) at non- dedicated facilities 26

PROC 8b Transfer of substance or mixture (charging and discharging) at dedicated facilities26

PROC 9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC10 Roller application or brushing

PROC15 Use as laboratory reagent

#### Environmental Release Categories

ERC 1 Manufacture of the substance

ERC 2 Formulation into mixture

ERC 4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC 6a Use of intermediate

ERC 6b Use of reactive processing aid at industrial site (no inclusion into or onto article)

## 2. Contributing scenarios: Operational conditions and risk management measures

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### **Exposure scenario 2 (Professional use)**

#### 1. Industrial use Reagent for analysis, (Chemical production)

##### **Sectors of end-use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

##### **Chemical product category**

PC21 Laboratory chemicals

##### **Process categories**

PROC15 Use as laboratory reagent

##### **Environmental Release Categories**

ERC 2 Formulation into mixture

ERC 6a Use of intermediate

ERC 6b Use of reactive processing aid at industrial site (no inclusion into or onto article)

#### 2. Contributing scenarios: Operational conditions and risk management measures