

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008



## Acetic acid synthetic

Revision Date 27.08.2015

Version 3.0

EU / EN

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name : Acetic acid synthetic  
Chemical name : Acetic acid  
CAS-No : 64-19-7  
EC-No : 200-580-7  
Registration number : 01-2119475328-30-0010

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

Use of the Substance/ Mixture : Use as intermediate. Use in formulation and (re)packing of substances and manufactures, in cleaning agents, in oil field drilling, in agrochemicals, in laboratory reagents, in water treatment.

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

Company : Nevinnomyssky Azot JSC  
1 Nizyaeva str., Nevinnomysk, Stavropol Territory, 357107, Russia

Telephone : + 7 (86554) 4-42-65

E-mail address : nevinazot@eurochem.ru

Only representative : AB "Lifosa"  
Juodkiskio 50, LT-57502 Kedainiai, Lithuania

Telephone : + (370 347) 66 483

E-mail address : info@lifosa.com

#### 1.4 Emergency telephone number

**Austria:** Poison Control Centre, Tel.: (+43)-1-406-43-43;

**Belgium:** Belgisch Antigifcentrum, Tel.: 070/245-245;

**Bulgaria:** Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов",  
Tel.: (+359)-2-9154-409;

**Croatia:** Poison Control Centre, Tel: (+385)-1-23-48-342;

**Czech Republic:** Toxikologické informační středisko Telefon: (+420)-224-919-293,

**Denmark:** Poison Control Hotline, Tel.: (+45)-82-12-12-12;

**Estonia:** National emergency telephone number: 112 or Poison information telephone number: 16662, calling from abroad: (+372)-626-93-90;

**Finland:** Poison Information Centre, Tel.: (09)-471-977 (direct) or (09)-4711;

**France:** ORFILA (INRS): (+33)-(0)-1-45-42-59-59;

**Hungary:** Az Egészségügyi Toxikológiai Tájékoztató Szolgálat elérhetőségei Tel: (+36)-80-201-199;

**Latvia:** Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs, Tel.: (+371)-67042473;

**Lithuania:** Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras,

Tel.: (+370)-5-236-20-52 or (+370)-687-53378;

**Malta:** Mater Dei Hospital, Tel: 2545-0000;

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**Portugal:** Centro de Informação Antivenenos (Portuguese Poison Centre), Tel: 808-250-143;  
**Romania:** Biroul RSI Si Informare Toxicologica, Tel.: 021-318-36-06 (direct) (8.00 - 15.00);  
**Slovak Republic:** National Toxicological Information Centre (+421)-2-5477-4166;  
(+420)-224-915-402;  
**Sweden:** 112.

Note: please, consult with your local/national competent authorities for the emergency number in your country.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to REGULATION (EC) No 1272/2008

Flammable liquids, Category 3  
Skin corrosion, Category 1A

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

### 2.2 Label elements

#### Labeling according to REGULATION (EC) No 1272/2008

Hazard pictogram (s) :



GHS02: flame



GHS05: corrosion

Signal Word : Danger

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

Precautionary statements : **Prevention:**  
P210 : Keep away from heat, sparks, open flames, hot surfaces. No smoking.  
P241 : Use explosion-proof electrical, ventilating, lighting equipment.  
P260 : Do not breathe vapours.  
P280 : Wear protective gloves, protective clothing, eye protection, face protection.

#### **Response:**

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

P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

All precautionary statements see Section 16.

### 2.3 Other hazards

Acetic acid is not PBT or vPvB.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product is a chemical substance within the meaning of the REACH Regulation (1907/2006/EC). The following table contains the main constituent at the top.

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	GHS
Acetic acid	≤100	64-19-7	200-580-7 / 01-2119475328-30-0010	607-002-00-6	Flam.Liq.3, H226; Skin. Corr.1A, H314

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

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water. Immediately consult a physician.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse thoroughly with plenty of water for at least 15 minutes. Immediately consult a physician.
- Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, ingestion or inhalation of concentrated acetic acid causes damage to tissues of the respiratory and digestive tracts. Symptoms include: hematemesis, bloody diarrhea, edema and/or perforation of the esophagus and pylorus, pancreatitis, hematuria, anuria, uremia, albuminuria, hemolysis, convulsions, bronchitis, pulmonary edema, pneumonia, cardiovascular collapse, shock, and death. Direct contact or exposure to high concentrations of vapour with skin or eyes can cause: erythema, blisters, tissue destruction with slow healing, skin blackening, hyperkeratosis, fissures, corneal erosion, opacification, iritis, conjunctivitis, and possible blindness.

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

No data available.

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### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Specific hazards : Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

#### 5.3 Advice fire fighters

Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.

Further information : Standard procedure for chemical fires. Use spray water to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedure

Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Remove all sources of ignition. Avoid contact with skin and eyes. Avoid inhalation of vapours, mist or spray. Ensure adequate ventilation, especially in confined areas. Immediately evacuate personnel to safe areas. Vapours can accumulate in low areas.

#### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special instructions.

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

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Clean contaminated surface thoroughly.

#### 6.4 Reference to other sections

See Section 7, 8, 11, 12 and 13.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid contact with skin and eyes. Keep away from sources of ignition – No smoking. Keep away from combustible materials. Avoid inhalation of vapor, mist or spray. Prevent the creation of flammable or explosive concentrations of vapour in air. Take precautionary measures against static discharges. Use appropriate container to avoid environmental contamination. Do not carry cloths that have come into contact with the product in your clothing. Handle with care. Avoid exposure - obtain special instructions before use.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Keep away from heat and sources of ignition.

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

Requirements for storage areas and containers : Store in a place accessible by authorized persons only. Keep locked up or in an area accessible only to qualified or authorized persons. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in steel or aluminium containers (tanks).

Further information on storage conditions : Protect from moisture.

Advice on common storage : Keep away from food, drink and animal feeding stuffs. Incompatible with acids and bases. Do not store with oxidizing agents, soluble carbonates and phosphates, hydroxides, metals, peroxides, permanganates, amines, alcohols.

Storage period : 6 months.

#### 7.3 Specific end use(s)

See Annex I.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Components	CAS-No	Control parameters	Basis	Country
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:50 mg/m <sup>3</sup> , 20 ppm	OEL-AT	Austria
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:38 mg/m <sup>3</sup> , 15 ppm	MB 14.3.2002	Belgium
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> ; STEL:37 mg/m <sup>3</sup>	НАРЕДБА № 13	Bulgaria
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	OEL-HR	Croatia
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	OEL-CY	Cyprus
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup>	361/2007 Sb.	Czech Republic

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Components	CAS-No	Control parameters	Basis	Country
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	OEL-DK	Denmark
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:25 mg/m <sup>3</sup> , 10 ppm	RT I 2001, 77, 460	Estonia
Acetic acid	64-19-7	STEL:25 mg/m <sup>3</sup> , 10 ppm	ED984	France
Acetic acid	64-19-7	TWA: 13 mg/m <sup>3</sup> , 5 ppm; STEL:25 mg/m <sup>3</sup> , 10 ppm	HTP-ARVOT 2014	Finland
Acetic acid	64-19-7	TWA (MAK): 25 mg/m <sup>3</sup> , 10 ppm;	TRGS 900	Germany
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	LN. 2003/035	Gibraltar
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:37 mg/m <sup>3</sup> , 15 ppm	OEL-GR	Greece
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> ; STEL:25 mg/m <sup>3</sup>	EüM-SzCsM 25/2000	Hungary
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:37 mg/m <sup>3</sup> , 15 ppm	S.I. No. 619 of 2001	Ireland
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:37 mg/m <sup>3</sup> , 15 ppm	OEL-IT	Italy
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	MK 01.02.2011. Nr.92	Latvia
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	2011 m. 1 d. Nr. V-824/A1-389	Lithuania
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	Mémorial 168	Luxembourg
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	S.L.424.24	Malta
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup>	OEL-NL	Netherlands
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> ; STEL: 50 mg/m <sup>3</sup>	Dz.U. 2014 poz. 817	Poland
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; (indica- tive limit value) STEL: 15 ppm	OEL-PT	Portugal
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	Hotarârea nr. 1218	Romania
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	Nariadenie 300/2007 Z.z.	Slovak Republic
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm;	OEL-SI	Slovenia
Acetic acid	64-19-7	TWA: 25 mg/m <sup>3</sup> , 10 ppm; STEL:37 mg/m <sup>3</sup> , 15 ppm	OEL-ES	Spain
Acetic acid	64-19-7	LLV: 13 mg/m <sup>3</sup> , 5 ppm; STV:25 mg/m <sup>3</sup> , 10 ppm	AFS 2011:18	Sweden

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

PNEC aqua – freshwater	: 3,058 mg/l
PNEC aqua – marine water	: 0,3058 mg/l
PNEC aqua – intermittent releases	: 30,58 mg/l
PNEC sediment (freshwater)	: 11,36 mg/kg dw
PNEC sediment (marine water)	: 1,136 mg/kg dw
PNEC soil	: 0,478 mg/kg soil dw
PNEC STP	: 85 mg/l

### **DNEL (Derived No Effect Level)/DMEL (Derived Minimal Effect Level)**

#### Worker:

Short-term exposure local effects, inhalation	: 25 mg/m <sup>3</sup>
Long-term exposure local effects, inhalation	: 25 mg/m <sup>3</sup>

#### General population:

Short-term exposure local effects, inhalation	: 25 mg/m <sup>3</sup>
Long-term exposure local effects, inhalation	: 25 mg/m <sup>3</sup>

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### 8.2 Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Highly effective exhaust ventilation.

#### Personal protective equipment

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Remarks : Use respirators and components tested and approved under appropriate government standards CEN (EU).

#### Hand protection

Material : Butyl-rubber.

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Tightly fitting safety goggles. Face shield.

Remarks : Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

#### Skin and body protection

Remarks : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

General industrial hygiene practice.

Avoid breathing vapors, mist or spray.

Avoid contact with skin, eyes and clothing.

When using do not eat, drink or smoke.

Wash hands before breaks and at the end of workday.

Follow the skin protection plan.

Wash contaminated clothing before re-use.

#### Environmental exposure controls

See Annex I

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Form	:	liquid
Colour	:	colourless
Odour	:	pungent
Odor threshold	:	No data available.
Flash point	:	39 °C
Lower explosion limit	:	4,0% (vol.)
Upper explosion limit	:	19,9% (vol.)
Explosive properties	:	This study does not need to be conducted there are no chemical groups associated with explosive properties present in this molecule.
Flammability	:	Flammable.
Oxidizing properties	:	The oxidising properties study does not need to be conducted as the substance is incapable of reacting exothermically with combustible materials on the basis of its chemical structure.
Self-ignition temperature	:	463 °C
Melting point/range	:	16,64 °C
pH	:	No data available.
Boiling point/boiling range	:	117,9 °C at 101,3 kPa
Vapor pressure	:	20,79 kPa at 25 °C
Density	:	1,0446 g/cm <sup>3</sup>
Bulk density	:	Not applicable.
Water solubility	:	602,9 g/l at 25 °C
Partition coefficient: n-octanol/water	:	(- 0,17) at 20 °C
Solubility in other solvents	:	No data available.
Viscosity, dynamic	:	1,056 mPa·s at 25 °C
Viscosity, kinematic	:	No data available.
Relative vapor density	:	No data available.
Evaporation rate	:	No data available.
Decomposition temperature	:	No data available.

#### 9.2 Other information

Molecular weight	:	46,025 g/mol
Ignition temperature	:	61 °C

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Vapours may form explosive mixtures with air.



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### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents, soluble carbonates and phosphates, hydroxides, metals, peroxides, permanganates, amines, alcohols, acids, bases.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Build-up of dangerous/toxic fumes possible in cases of fire/high temperature:  
Carbon oxides.

Thermal decomposition : No data available.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

Acetic acid : No data available.

##### Acute inhalation toxicity

Acetic acid : No data available.

##### Acute dermal toxicity

Acetic acid : No data available.

##### Acute toxicity (other routes of administration)

No data available.

#### Skin corrosion / irritation

Skin irritation : Corrosive.

#### Serious eye damage / eye irritation

Eye irritation : Corrosive.

#### Sensitization of the respiratory / skin

Skin sensitization : Non skin sensitizing.

Respiratory sensitization : Non respiratory sensitizing.

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### Mutagenicity

No mutagenic effect.

### Carcinogenicity

No carcinogenic effect.

### Reproductive toxicity

No reproductive effect.

### Teratogenicity

No data available.

### Specific target organ toxicity after single exposure

No data available.

### Specific target organ toxicity after repeated exposure (sub-acute / sub-chronic)

Repeated dose toxicity: (sub-acute/ sub-chronic)

Acetic acid : No data available.

### Aspiration hazard

No data available.

### Neurological effects

Acetic acid is concluded to produce no signs of neurotoxicity.

### Toxicology, metabolism, distribution

Absorption: acetic acid is absorbed from the gastrointestinal tract.

Metabolism: Acetate has a central role in normal intermediary metabolism; it reacts with coenzyme A before entering the citric acid cycle as acetyl-coenzyme A (Acetyl-CoA).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Toxicity to fish:

50% potassium acetate : LC<sub>50</sub> (Oncorhynchus mykiss): 300,82 mg/l  
Exposure time: 96 h

#### Toxicity to daphnia and other aquatic invertebrates:

50% potassium acetate : EC<sub>50</sub> (Daphnia Magna): 300,82 mg/l  
Exposure time: 48 h

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### Toxicity to aquatic plants:

50% potassium acetate : EC<sub>50</sub> (Skeletonema costatum): 300,82 mg/l  
Exposure time: 3 days

### Long-term study fish/ daphnia and other aquatic invertebrates/ aquatic plants:

No data available.

### **12.2 Persistence and degradability**

Biodegradability : Readily biodegradable.

### **12.3 Bioaccumulation potential**

Acetic acid : BCF (Leuciscus idus melanotus): 3,16

### **12.4 Mobility in soil**

The estimated K<sub>oc</sub> of acetic acid is 1,153 L/kg, based on a log K<sub>ow</sub> of (-0,17).

### **12.5 Results of PBT assessment and vPvB**

Acetic acid is not PBT or vPvB.

### **12.6 Other adverse effects**

Adsorbed organic bound halogens (AOX) : Not included

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

Advice on disposal and packaging : Disposal:  
In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of in a safe way. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

## **SECTION 14: TRANSPORT INFORMATION**

### **ADR**

UN-Number : 2789  
Description of the goods : ACETIC ACID, GLACIAL  
Class : 8  
Packing group : II  
Classification Code : CF1  
Hazard identification No : 83  
Labels : 8(3)  
Limited quantity : LQ22  
Tunnel restriction code : D/E

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Environmentally hazardous : no  
**RID**  
UN-Number : 2789  
Description of the goods : ACETIC ACID, GLACIAL  
Class : 8  
Packing group : II  
Classification Code : CF1  
Hazard identification No : 83  
Labels : 8(3)  
Limited quantity : LQ22  
Environmentally hazardous : no  
**IATA**  
UN-Number : 2789  
Description of the goods : Acetic acid, glacial  
Class : 8  
Packing group : II  
Labels : 8(3)  
Packing instruction (cargo aircraft) : 855  
Packing instruction (passenger aircraft) : 851  
Packing instruction (LQ) : Y840  
Environmentally hazardous : no  
**IMDG**  
UN-Number : 2789  
Description of the goods : ACETIC ACID, GLACIAL  
Class : 8  
Packing group : II  
Labels : 8(3)  
EmS Number 1 : F-E  
EmS Number 2 : S-C  
Marine pollutant : no

### Special precautions for the user

See Section 6, 7 and 8

## SECTION 15: REGULATORY INFORMATION

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

Special labelling of certain mixtures : Restricted to professional users.

Seveso Directive (2012/18/EU)		Quantity 1	Quantity 2
	P5c Flammable liquids	5.000 t	50.000 t

### National legislation

Other regulations : Take note of Dir 94/33/EC on the protection of young people at work.

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### 15.2 CSA

The Chemical Safety Assessment was undertaken.

## SECTION 16: OTHER INFORMATION

### Hazard statements:

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

### Precautionary statements:

#### **Prevention:**

P233: Keep container tightly closed.  
P241: Use explosion-proof electrical, ventilating, lighting equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P264: Wash hands thoroughly after handling.

#### **Response:**

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P310: Immediately call a POISON CENTER or doctor.  
P321: Specific treatment (see on this label).  
P363: Wash contaminated clothing before reuse.  
P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

#### **Storage:**

P403+P235: Store in a well-ventilated place. Keep cool.  
P405: Store locked up.

#### **Disposal:**

P501: Dispose of contents and container to in accordance with national regulation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

## ANNEX I: EXPOSURE SCENARIOS