

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

## ACETIC ACID 80% / CAN 20 KG INCL FD

Version 6.0

Print Date 21.12.2020

Revision date / valid from 18.12.2020

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

#### 1.1. Product identifier

Trade name : ACETIC ACID 80% / CAN 20 KG INCL FD  
Substance name : acetic acid  
Index-No. : 607-002-00-6  
CAS-No. : 64-19-7  
EC-No. : 200-580-7  
EU REACH-Reg. No. : 01-2119475328-30-xxxx

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

Use of the Substance/Mixture : Industrial use  
Uses advised against : At this moment we have not identified any uses advised against

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

Company : Brenntag Nordic AB  
Hyllie Stationstorg 31  
SE 215 32 Malmö  
Telephone : +46 (0)40-28 73 00  
Telefax : +46 (0)40-93 7015  
E-mail address : SDS.SE@brenntag-nordic.com  
Responsible/issuing person : Environment & Quality

#### 1.4. Emergency telephone number

Emergency telephone number : In case of personal injury call:  
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital  
Finland: Poison Information Centre: (09) 471 977 (direct) or (09) 47 11 (exchange), open 24h/day  
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent)  
Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)  
Outside these countries: Please call your local emergency services

### SECTION 2: Hazards identification

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

**ACETIC ACID 80% / CAN 20 KG INCL FD****Classification according to Regulation (EC) No 1272/2008**


REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Skin corrosion	Category 1B	---	H314
Serious eye damage	Category 1	---	H318

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

**Most important adverse effects**

- Human Health : Causes severe skin burns and eye damage.
- Physical and chemical hazards : Strong heating may produce combustible vapours which can form explosive mixture with air.
- Potential environmental effects : The product is not classified as dangerous for the environment.

**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008**

- Hazard symbols : 
- Signal word : Danger
- Hazard statements : H314 Causes severe skin burns and eye damage.
- Precautionary statements
- Prevention : P260 Do not breathe mist/ vapours/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Response : P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ 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.

## ACETIC ACID 80% / CAN 20 KG INCL FD

### Hazardous components which must be listed on the label:

- acetic acid

### 2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		Hazard class / Hazard category	Hazard statements
<b>acetic acid</b>			
Index-No. : 607-002-00-6	> 75 - <= 80	Flam. Liq.3	H226
CAS-No. : 64-19-7		Skin Corr.1A	H314
EC-No. : 200-580-7		Eye Dam.1	H318
EU REACH-Reg. No. : 01-2119475328-30-xxxx			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice	: Take off all contaminated clothing immediately.
If inhaled	: In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
In case of skin contact	: Wash off immediately with soap and plenty of water. Call a physician immediately.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.
Protection of First Aid Responders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing.

**ACETIC ACID 80% / CAN 20 KG INCL FD****4.2. Most important symptoms and effects, both acute and delayed**

Symptoms	: See Section 11 for more detailed information on health effects and symptoms.
Effects	: Extremely corrosive and destructive to tissue. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. See Section 11 for more detailed information on health effects and symptoms.

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

Treatment	: Treat symptomatically.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

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

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

Specific hazards during firefighting	: Strong heating may produce combustible vapours which can form explosive mixture with air.
Hazardous combustion products	: Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), The formation of caustic fumes is possible.

**5.3. Advice for firefighters**

Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)
Specific extinguishing methods	: Control smoke with water spray.
Further advice	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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

Personal precautions	: Keep away unprotected persons. Use personal protective equipment. Ensure adequate ventilation. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist.
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**6.2. Environmental precautions**

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Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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

Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.

Further information : Treat recovered material as described in the section "Disposal considerations".

### 6.4. Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on personal protective equipment.  
See Section 13 for waste treatment information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Use respirator with appropriate filter if vapours or aerosol are released. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

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

Requirements for storage areas and containers : Store in original container.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Possible formation of ignitable mixtures in air if heated above flash point and/or if sprayed (atomised).

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs. Materials to avoid: Oxidizing agents

Suitable packaging materials : Stainless steel, Polyethylene, Polypropylene

Unsuitable packaging materials : , Iron, copper, Brass, Zinc

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### 7.3. Specific end use(s)

Specific use(s) : No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Component:	acetic acid	CAS-No. 64-19-7
<b>Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)</b>		

DNEL		
Workers, Long-term - local effects, Inhalation	:	25 mg/m <sup>3</sup>
DNEL		
Workers, Acute - local effects, Inhalation	:	25 mg/m <sup>3</sup>
DNEL		
Consumers, Long-term - local effects, Inhalation	:	25 mg/m <sup>3</sup>
DNEL		
Consumers, Acute - local effects, Inhalation	:	25 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC)

Fresh water	:	3,058 mg/l
Marine water	:	0,306 mg/l
Intermittent releases	:	30,58 mg/l
Sewage treatment plant (STP)	:	85 mg/l
Fresh water sediment	:	11,36 mg/kg d.w.
Marine sediment	:	1,136 mg/kg d.w.
Soil	:	0,47 mg/kg d.w.

#### Other Occupational Exposure Limit Values

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA):  
10 ppm, 25 mg/m<sup>3</sup>  
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC,

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2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL):  
20 ppm, 50 mg/m<sup>3</sup>  
Indicative

Sweden. Occupational Exposure Limit Values, as amended, Short Term Exposure Limit  
10 ppm, 25 mg/m<sup>3</sup>

Sweden. Occupational Exposure Limit Values, as amended, Time Weighted Average (TWA):  
5 ppm, 13 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

#### Personal protective equipment

##### *Respiratory protection*

Advice : In case of brief exposure or low pollution use breathing filter apparatus.  
Respiratory protection complying with EN 141.  
Recommended Filter type:A  
Recommended Filter type:E  
In case of intensive or longer exposure use self-contained breathing apparatus.

##### *Hand protection*

Advice : Protective gloves complying with EN 374.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.  
Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Protective gloves should be replaced at first signs of wear.

Material : Natural Rubber  
Break through time :  $\geq 8$  h  
Glove thickness : 0,5 mm

Material : polychloroprene  
Break through time :  $\geq 8$  h  
Glove thickness : 0,5 mm

Material : butyl-rubber  
Break through time :  $\geq 8$  h  
Glove thickness : 0,5 mm

Material : Fluorinated rubber

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Break through time :  $\geq 8$  h  
Glove thickness : 0,4 mm

Material : Polyvinylchloride  
Break through time :  $\geq 8$  h  
Glove thickness : 0,5 mm

*Eye protection*

Advice : Safety goggles  
Face-shield

*Skin and body protection*

Advice : Impervious clothing  
Chemical resistant apron

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Form : liquid  
Colour : colourless  
Odour : vinegar-like  
Odour Threshold : no data available  
pH : 1,5 - 2 (100 %)((calculated))  
Freezing point/range :  $> -27 - -7$  °C  
Boiling point/boiling range : 102 - 118 °C  
Flash point :  $> 60$  °C  
Evaporation rate : no data available  
Flammability (solid, gas) : Not applicable  
Upper explosion limit : 19,9 %(V) (referring to pure substance)  
Lower explosion limit : 4,0 %(V) (referring to pure substance)  
Vapour pressure : no data available



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Relative vapour density	:	no data available
Density	:	1,06 - 1,07 g/cm <sup>3</sup>
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	log Kow -0,17 (25 °C; pH 7)
Auto-ignition temperature	:	463 °C
Thermal decomposition	:	no data available
Viscosity, dynamic	:	no data available
Explosivity	:	Product is not explosive.
Oxidizing properties	:	not oxidising

**9.2. Other information**

Molecular weight	:	60,05 g/mol
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

Advice	:	No decomposition if used as directed.
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**10.2. Chemical stability**

Advice	:	Stable under recommended storage conditions.
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**10.3. Possibility of hazardous reactions**

Hazardous reactions	:	May be corrosive to metals.
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**10.4. Conditions to avoid**

Conditions to avoid	:	Heat
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**10.5. Incompatible materials**

Materials to avoid	:	Bases, Strong oxidizing agents, Alcohols, Nitric acid
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**10.6. Hazardous decomposition products**

Hazardous decomposition products	:	Under fire conditions: Carbon monoxide, Carbon dioxide (CO <sub>2</sub> )
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**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

**ACETIC ACID 80% / CAN 20 KG INCL FD**
**Data for the product**
**Acute toxicity**
**Oral**

Not classified based on the calculation method according to CLP regulation.

Cause serious burns with severe pains, vomiting, pains in the stomach, possibly chock and damaged kidneys. The burn may occur even if only small amounts have been swallowed.

**Inhalation**

Not classified based on the calculation method according to CLP regulation.

Inhalation may cause pain and cough.

After hours to several days without symptoms may occur severe shortness of breath and pulmonary edema.

**Dermal**

Not classified based on the calculation method according to CLP regulation.

**Irritation**
**Skin**

Result : Classified based on the calculation method according to CLP regulation.  
May cause burns with pain, redness and wounds.

**Eyes**

Result : Classified based on the calculation method according to CLP regulation.  
Splashes in the eyes may cause painful burns, which may result in permanent damage to the eyes.

**Sensitisation**

Result : Not classified based on the calculation method according to CLP regulation.

**CMR effects**
**CMR Properties**

Carcinogenicity : Not classified based on the calculation method according to CLP regulation.  
Mutagenicity : Not classified based on the calculation method according to CLP regulation.  
Reproductive toxicity : Not classified based on the calculation method according to CLP regulation.

**Specific Target Organ Toxicity**
**Single exposure**

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Remarks : Not classified based on the calculation method according to CLP regulation.

**Repeated exposure**

Remarks : Not classified based on the calculation method according to CLP regulation.

**Other toxic properties****Repeated dose toxicity**

no data available

**Aspiration hazard**

Not applicable,

**Component:** acetic acid CAS-No. 64-19-7

**Acute toxicity****Oral**

LD50 : 3310 mg/kg (Rat)

**Inhalation**

LC50 : > 40 mg/l (Rat; 4 h)

**Dermal**

Study scientifically not justified.

**Irritation****Skin**

Result : Very corrosive (Rabbit) (OECD Test Guideline 404)

**Eyes**

Result : corrosive effects (Rabbit) (OECD Test Guideline 405) May cause corneal damage.  
Risk of serious damage to eyes.

**Sensitisation**

Result : Did not cause sensitisation on laboratory animals.

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**CMR effects**
**CMR Properties**

Carcinogenicity	:	Animal testing did not show any carcinogenic effects.
Mutagenicity	:	In vivo tests did not show mutagenic effects In vitro tests did not show mutagenic effects
Teratogenicity	:	Results from animal studies prove that this material is not teratogenic for non-toxic doses for the mother animal and is not toxic for embryonic or fetal development.

**Genotoxicity in vitro**

Result	:	negative (In vitro gene mutation study in mammalian cells; Test substance: Acetic anhydride) (OECD Test Guideline 476) negative (In vitro gene mutation study in mammalian cells) (OECD Test Guideline 473) negative (In vitro gene mutation study in non-mammalian cells) (OECD Test Guideline 471)
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**Genotoxicity in vivo**

Result	:	negative (in vivo assay) (Test substance: Acetic anhydride) (OECD Test Guideline 474)
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**Teratogenicity**

(Rabbit)(5 %; 13 d)(Directive 67/548/EEC, Annex V, B.31.)negative  
(Rat)(5 %; 10 d)(Directive 67/548/EEC, Annex V, B.31.)negative  
(Mouse)(5 %; 10 d)(Directive 67/548/EEC, Annex V, B.31.)negative

**Specific Target Organ Toxicity**
**Single exposure**

Remarks	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
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**Repeated exposure**

Remarks	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
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**Other toxic properties**
**Aspiration hazard**

Not applicable,

**ACETIC ACID 80% / CAN 20 KG INCL FD****SECTION 12: Ecological information****12.1. Toxicity**

<b>Component:</b>	<b>acetic acid</b>	<b>CAS-No. 64-19-7</b>
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**Acute toxicity****Fish**

LC50	:	75 mg/l (Lepomis macrochirus; 96 h)
LC50	:	88 mg/l (Pimephales promelas; 96 h)
LC50	:	> 300,82 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (OECD Test Guideline 203)

**Toxicity to daphnia and other aquatic invertebrates**

EC50	:	> 300,82 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)
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**algae**

EC50	:	> 300,82 mg/l (Skeletonema costatum (marine diatom); 72 h)
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**Bacteria**

EC10	:	1000 mg/l (Pseudomonas putida; 0,5 h)
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**12.2. Persistence and degradability**

<b>Component:</b>	<b>acetic acid</b>	<b>CAS-No. 64-19-7</b>
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**Persistence and degradability****Persistence**

Result	:	no data available
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**Biodegradability**

Result	:	95 % (Exposure Time: 5 d) Readily biodegradable.
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**12.3. Bioaccumulative potential**

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<b>Component:</b>	<b>acetic acid</b>	<b>CAS-No. 64-19-7</b>
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### Bioaccumulation

Result : log Kow -0,17 (25 °C; pH 7)  
: BCF: 3,16; Does not bioaccumulate.

#### 12.4. Mobility in soil

<b>Component:</b>	<b>acetic acid</b>	<b>CAS-No. 64-19-7</b>
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### Mobility

Water : The product is water soluble., The product will be dispersed amongst the various environmental compartments (soil/ water/ air).

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

<b>Component:</b>	<b>acetic acid</b>	<b>CAS-No. 64-19-7</b>
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### Results of PBT and vPvB assessment

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### 12.6. Other adverse effects

### Data for the product

### Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.  
Harmful effects to aquatic organisms due to pH-shift.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product : Eliminate waste in conditions authorized by the regulations. Store waste in containers provided for this purpose. Do not dump in drains, water sheets or the ground.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation

**ACETIC ACID 80% / CAN 20 KG INCL FD**

with the regional waste disposer.

**SECTION 14: Transport information****14.1. UN number**

2790

**14.2. UN proper shipping name**

**ADR** : ACETIC ACID SOLUTION  
**RID** : ACETIC ACID SOLUTION  
**IMDG** : ACETIC ACID SOLUTION

**14.3. Transport hazard class(es)**

ADR-Class : 8  
(Labels; Classification Code; Hazard Identification Number; Tunnel restriction code) 8; C3; 80; (E)  
RID-Class : 8  
(Labels; Classification Code; Hazard Identification Number) 8; C3; 80  
IMDG-Class : 8  
(Labels; EmS) 8; F-A, S-B

**14.4. Packaging group**

ADR : II  
RID : II  
IMDG : II

**14.5. Environmental hazards**

Environmentally hazardous according to ADR : no  
Environmentally hazardous according to RID : no  
Marine Pollutant according to IMDG-Code : no

**14.6. Special precautions for user**

Not applicable.

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

IMDG : Not applicable.

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

**ACETIC ACID 80% / CAN 20 KG INCL FD**
**Data for the product**

EU. REACH, Annex XVII, : Point Nos.: , 3; Listed  
Marketing and Use  
Restrictions (Regulation  
1907/2006/EC)

EU. Directive : ; The substance/mixture does not fall under this legislation.  
2012/18/EU (SEVESO  
III) Annex I

Nordic Combustible : Fire class 3 : Flashpoint 55 - < = 100 °C  
liquids danger class

Other regulations : Only persons, who are thoroughly instructed in the dangerous  
properties and the necessary safety precautions of the  
substance, are allowed to work with it.

In accordance to national regulations about "handling of liquids  
with flaspoint below 100°C".

**Component:**
**acetic acid**
**CAS-No. 64-19-7**

EU. Regulation EU No. : ; The substance/mixture does not fall under this legislation.  
649/2012 concerning the  
export and import of  
dangerous chemicals

EU. REACH, Annex XVII, : Point Nos.: , 3; Listed  
Marketing and Use  
Restrictions (Regulation  
1907/2006/EC)

Point Nos.: , 40; Listed

EU. Regulation : EC Number: , 200-580-7; Category 1 - Substances authorised  
528/2012/EU concerning as food additives according to Regulation (EC) No 1333/2008;  
the making available on Concentration to be limited so that each biocidal product does  
the market and use of not require classification according to either Directive  
biocidal products, Annex 1999/45/EC or Regulation (EC) No 1272/2008.  
I: Active substances

EU. Regulation No : EC Number: , 200-580-7; Listed  
1451/2007 [Biocides],  
Annex I, OJ (L 325)



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EU. Directive 2012/18/EU (SEVESO III) Annex I : Lower-tier requirements: 5.000 tonnes; Part 1: Categories of dangerous substances; P5c: Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.  
Upper-tier requirements: 50.000 tonnes; Part 1: Categories of dangerous substances; P5c: Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.

**Notification status acetic acid:**

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
EINECS	YES	200-580-7
ENCS (JP)	YES	(2)-688
IECSC	YES	
ISHL (JP)	YES	(2)-688
JEX (JP)	YES	(2)-688
KECI (KR)	YES	KE-00013
NZIOC	YES	HSR000975
NZIOC	YES	HSR001580
NZIOC	YES	HSR001581
NZIOC	YES	HSR001582
PICCS (PH)	YES	
TSCA	YES	

**15.2. Chemical safety assessment**

A Chemical Safety Assessment has been carried out for this substance.

**SECTION 16: Other information****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.
H318	Causes serious eye damage.

**Abbreviations and Acronyms**

UVCB

**substance of unknown or variable composition, complex reaction products or biological materials** vPvB  
**very persistent and very**

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<b>bioaccumulative</b>	
<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>REACH Auth. No.:</b>	REACH Authorisation Number
<b>REACH AuthAppC. No.</b>	REACH Authorisation Application Consultation Number
<b>PNEC</b>	predicted no-effect concentration
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern

**Further information**

Key literature references and sources for data	:	Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.
Methods used for product classification	:	The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
Hints for trainings	:	The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.
Other information	:	The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The

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information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.