*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, as amended*

# *ACETIC ACID 80%*

Version 4.0 Print Date 05.11.2025

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Trade name | : | ACETIC ACID 80% |
| 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 |
| UFI | : | FEK3-90KS-E006-PY72 |
| UFI code notified in | : | Belgium, Germany, Denmark, Estonia, Spain, France, Croatia, Ireland, Iceland, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Portugal, Sweden |

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

| | | |
|---|---|---|
| Use of the Substance/Mixture | : | Identified use: See table in front of appendix for a complete overview of identified uses. |
| Uses advised against | : | At this moment we have not identified any uses advised against |
| Remarks | : | Before referring to any Exposure Scenario attached to this Safety Data Sheet please check the grade of the product: the Exposure Scenarios presented are not related to all product grade |

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

| | | |
|---|---|---|
| Company | : | Brenntag N.V.<br>Nijverheidslaan 38<br>BE 8540 Deerlijk |
| Telephone | : | +32 (0)56 77 6944 |
| Telefax | : | +32 (0)56 77 5711 |
| E-mail address | : | info@brenntag.be |
| Responsible/issuing person | : | Master Data Administration |
| Company | : | Brenntag Nederland B.V.<br>Donker Duyvisweg 44<br>NL 3316 BM Dordrecht |
| Telephone | : | +31 (0)78 65 44 944 |
| Telefax | : | +31 (0)78 65 44 919 |
| E-mail address | : | info@brenntag.nl |

| | | |
|---|---|---|
| Responsible/issuing person | : | Master Data Administration |

**1.4. Emergency telephone number**

| | | |
|---|---|---|
| Emergency telephone number | : | Belgium: Antipoison Center - Brussels TEL: +32(0)70 245 245<br><br>Netherland: National Poisoning Information Center - Bilthoven TEL: +31(0) 88 755 8000 (Only for the purpose of informing medical personnel in cases of acute intoxications) |

## SECTION 2: Hazards identification

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

**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 | : | See section 11 for toxicological information. |
| Physical and chemical hazards | : | See section 9/10 for physicochemical information. |
| Potential environmental effects | : | See section 12 for environmental information. |

**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 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. |

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

- acetic acid...%

### 2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Hazardous components | Amount [%] | Classification (REGULATION (EC) No 1272/2008) | |
|---|---|---|---|
| | | Hazard class / Hazard category | Hazard statements |
| **acetic acid...%** | | | |
| Index-No. : 607-002-00-6<br>CAS-No. : 64-19-7<br>EC-No. : 200-580-7 | > 75 - <= 80 | Flam. Liq.3<br>Skin Corr.1A<br>Eye Dam.1<br>specific concentration limit<br>Skin Corr. 1A; H314<br>>= 90 %<br>Skin Corr. 1B; H314<br>25 - < 90 % | H226<br>H314<br>H318 |

| | | | |
|---|---|---|---|
| EU REACH-Reg. No. | : | 01-2119475328-30-xxxx | Skin Irrit. 2; H315<br>10 - < 25 %<br>Eye Irrit. 2; H319<br>10 - < 25 %<br>Note B |

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

### 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. |

## 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 (CO2), 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. |

### 6.2. Environmental precautions

| | | |
|---|---|---|
| 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 |

### 7.3. Specific end use(s)

| | | |
|---|---|---|
| Specific use(s) | : | Identified use: See table in front of appendix for a complete overview of identified uses. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

DNEL

| | | |
|---|---|---|
| Workers, Long-term - local effects, Inhalation | : | 25 mg/m3 |
| DNEL | | |
| Workers, Acute - local effects, Inhalation | : | 25 mg/m3 |
| DNEL | | |
| General population, Long-term - local effects, Inhalation | : | 25 mg/m3 |

**Predicted No Effect Concentration (PNEC)**

| | | |
|---|---|---|
| Fresh water | : | 3,058 mg/l |
| Marine water | : | 0,306 mg/l |
| Freshwater 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/m3
Indicative

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Time Weighted Average (TWA):
10 ppm, 25 mg/m3

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, Short Term Exposure Limit (STEL):
20 ppm, 50 mg/m3
Indicative

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Short Term Exposure Limit (STEL):
15 ppm, 38 mg/m3, (15 minutes)

Netherlands. OELs (binding) per Annex XIII of Working Conditions Regulation, as amended, Time Weighted Average (TWA):
25 mg/m3

Netherlands. OELs (binding) per Annex XIII of Working Conditions Regulation, as amended, Short Term Exposure Limit (STEL):
50 mg/m3, (15 minutes)

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/m3
Indicative

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, Short Term Exposure Limit (STEL):
20 ppm, 50 mg/m3
Indicative

## 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.<br>Recommended Filter type:A<br>Recommended Filter type:E<br>In case of intensive or longer exposure use self-contained breathing apparatus.<br>Equipment should conform to EN 14387 |

*Hand protection*

| | | |
|---|---|---|
| Advice | : | Protective gloves complying with EN 374.<br>Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.<br>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.<br>Protective gloves should be replaced at first signs of wear. |
| Material | : | Natural Rubber |
| Break through time | : | >= 8 h |
| Glove thickness | : | 0,5 mm |
| Material | : | polychloroprene |
| Break through time | : | >= 8 h |
| Glove thickness | : | 0,5 mm |
| Material | : | butyl-rubber |
| Break through time | : | >= 8 h |
| Glove thickness | : | 0,5 mm |

| | | |
|---|---|---|
| Material | : | Fluorinated rubber |
| Break through time | : | >= 8 h |
| Glove thickness | : | 0,4 mm |

| | | |
|---|---|---|
| Material | : | Polyvinylchloride |
| Break through time | : | >= 8 h |
| Glove thickness | : | 0,5 mm |

*Eye protection*

| | | |
|---|---|---|
| Advice | : | Tightly fitting safety goggles (EN166)<br>Face-shield |

*Skin and body protection*

| | | |
|---|---|---|
| Protecting Clothes | : | Impervious clothing<br>Chemical resistant apron |

**Environmental exposure controls**

| | | |
|---|---|---|
| General advice | : | Do not flush into surface water or sanitary sewer system.<br>Avoid subsoil penetration. |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Form | : | liquid |
| Physical state | : | liquid |
| Colour | : | colourless |
| Odour | : | vinegar-like |
| Odour Threshold | : | No data available |
| Freezing point/range | : | > -27 - -7 °C |
| Boiling point/boiling range | : | 102 - 118 °C |
| Flammability (solid, gas) | : | Not applicable |
| Upper explosion limit / Upper flammability limit | : | 19,9 %(V)<br>(referring to pure substance) |
| Lower explosion limit / Lower flammability limit | : | 4,0 %(V)<br>(referring to pure substance) |
| Flash point | : | > 60 °C |
| Auto-ignition temperature | : | 463 °C |

| | | |
|---|---|---|
| Decomposition temperature | : | No data available |
| Self-Accelerating decomposition temperature (SADT) | : | No data available |
| pH | : | 0,2 - 0,6<br>Concentration: 100 %<br>Method: measured<br>(formulated product) |
| Viscosity | | |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | No data available |
| Flow time | : | No data available |
| Solubility(ies) | | |
| Water solubility | : | soluble |
| Solubility in other solvents | : | No data available |
| Dissolution Rate | : | No data available |
| Partition coefficient: n-octanol/water | : | log Pow: -0,17 (25 °C)<br>pH: 7 |
| Dispersion Stability | : | No data available |
| Vapour pressure | : | No data available |
| Relative density | : | No data available |
| Density | : | ca. 1,06 g/cm3 (20 °C) |
| Bulk density | : | No data available |
| Relative vapour density | : | No data available |
| Particle characteristics | | |
| Particle size | : | Not applicable |

**9.2 Other information**

| | | |
|---|---|---|
| Explosives | : | Product is not explosive. |
| Oxidizing properties | : | not oxidising |
| Molecular weight | : | 60,05 g/mol |

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Advice : No decomposition if used as directed.

**10.2. Chemical stability**

Advice : Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : May be corrosive to metals.

**10.4. Conditions to avoid**

Conditions to avoid : Heat

**10.5. Incompatible materials**

Materials to avoid : Bases, Strong oxidizing agents, Alcohols, Nitric acid

**10.6. Hazardous decomposition products**

Hazardous decomposition products : Under fire conditions: Carbon monoxide, Carbon dioxide (CO2)

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| Data for the product | |
|---|---|
| **Acute toxicity** | |
| **Oral** | |
| Not classified based on the calculation method according to CLP regulation. | |
| **Inhalation** | |
| Not classified based on the calculation method according to CLP regulation. | |
| **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. |
| **Eyes** | |
| Result : | Classified based on the calculation method according to CLP |

regulation.

**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**

| | | |
|---|---|---|
| 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 | : | 3530 mg/kg (Rat) |

**Inhalation**

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

**Irritation**

**Skin**

| | | |
|---|---|---|
| Result | : | Causes severe skin burns and eye damage. |

**Eyes**

| | | |
|---|---|---|
| Result | : | Causes severe skin burns and eye damage.<br>Causes serious eye damage. |

**CMR effects**

**CMR Properties**

| | | |
|---|---|---|
| Carcinogenicity | : | Animal testing did not show any carcinogenic effects. |
| Mutagenicity | : | In vivo tests did not show mutagenic effects<br>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)<br>negative (In vitro gene mutation study in mammalian cells) (OECD Test Guideline 473)<br>negative (In vitro gene mutation study in non-mammalian cells) (OECD Test Guideline 471) |

**Genotoxicity in vivo**

| | | |
|---|---|---|
| Result | : | negative (in vivo assay) (Test substance: Acetic anhydride) (OECD Test Guideline 474) |

**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. |

| Repeated exposure | | |
|---|---|---|
| Remarks | : | The substance or mixture is not classified as specific target organ toxicant, repeated exposure. |

| Other toxic properties |
|---|
| **Aspiration hazard** |

Not applicable,

### 11.2. Information on other hazards

| Data for the product | | |
|---|---|---|
| **Endocrine disrupting properties** | | |
| Assessment Endocrine Disrupting Properties | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

## SECTION 12: Ecological information

### 12.1. Toxicity

| Component: | acetic acid...% | CAS-No. 64-19-7 |
|---|---|---|
| **Acute toxicity** | | |
| **Fish** | | |
| 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) |
| **algae** | | |
| EC50 | : | > 300,82 mg/l (Skeletonema costatum (marine diatom); 72 h) |

| Bacteria | | |
|---|---|---|
| EC10 | : | 1000 mg/l (Pseudomonas putida; 0,5 h) |

**12.2. Persistence and degradability**

| Component: | acetic acid...% | CAS-No. 64-19-7 |
|---|---|---|
| **Persistence and degradability** | | |
| **Persistence** | | |
| Result | : | No data available |

| Biodegradability | | |
|---|---|---|
| Result | : | 95 % (Exposure Time: 5 d)Readily biodegradable. |

**12.3. Bioaccumulative potential**

| Component: | acetic acid...% | CAS-No. 64-19-7 |
|---|---|---|
| **Bioaccumulation** | | |
| Result | : | log Kow -0,17 (25 °C; pH 7) |
| | : | BCF: 3,16; Does not bioaccumulate. |

**12.4. Mobility in soil**

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

| Data for the product | | |
|---|---|---|
| **Results of PBT and vPvB assessment** | | |
| Result | : | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or |

higher.

| Component: | acetic acid...% | CAS-No. 64-19-7 |
|---|---|---|
| **Results of PBT and vPvB assessment** | | |

Result : Not persistent, bioaccumulative, and toxic (PBT)., Not very persistent and very bioaccumulative (vPvB).

### 12.6. Endocrine disrupting properties

**Data for the product**

Assessment Endocrine Disrupting Properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7. 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 : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services. This product shall be disposed of or recovered in compliance with Directive 2008/98/EC on waste as lastly amended.

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 with the regional waste disposer.

## SECTION 14: Transport information

**14.1. UN number or ID 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 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

**Data for the product**

| | | |
|---|---|---|
| EU. REACH, Annex XVII, Restrictions on manufacture, placing on the market and use of certain dangerous substances, 1907/2006/EC, as amended | : | Point Nos.: , 3; Listed |
| | | Point Nos.: , 75; Listed |
| EU. Directive 2012/18/EU on major accident hazards involving dangerous substances, Annex I, as amended | : | ; The substance/mixture does not fall under this legislation. |
| Other regulations | : | SDS updated according to Regulation (EU) 2020/878 |

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

| | | |
|---|---|---|
| EU. Chemicals Subject to Export Notification: Annex 1, Part 1, Regulation 649/2012/EU on export and import of dangerous chemicals, as amended | : | ; The substance/mixture does not fall under this legislation. |
| EU. REACH, Annex XVII, Restrictions on manufacture, placing on the market and use of certain dangerous substances, 1907/2006/EC, as amended | : | Point Nos.: , 75; Listed |
| | | Point Nos.: , 40; Listed<br>Point Nos.: , 3; Listed |
| EU. Regulation 528/2012/EU concerning the making available on the market and use of biocidal products, Annex I: Active substances | : | EC Number: , 200-580-7; Category 1 - Substances authorised as food additives according to Regulation (EC) No 1333/2008; Concentration to be limited so that each biocidal product does not require classification according to either Directive 1999/45/EC or Regulation (EC) No 1272/2008. |

| | | |
|---|---|---|
| EU. Directive 2012/18/EU on major accident hazards involving dangerous substances, Annex I, as amended | : | Qualifying quantity for the application of Lower-tier requirements: 5.000 tonnes; Part 1: Categories of dangerous substances; 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.<br><br>Qualifying quantity for the application of Upper-tier requirements: 50.000 tonnes; Part 1: Categories of dangerous substances; 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 | |
| INSQ | 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 |
| ONT INV | YES | |
| PHARM (JP) | YES | |
| PICCS (PH) | YES | |
| TCSI | YES | |
| TH INV | YES | 2915.21 |
| TH INV | YES | 55-1-05132 |
| TSCA | YES | |
| VN INVL | 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. |

**Full text of the Notes referred to under section 3.**

| | |
|---|---|
| Note B | Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: "nitric acid ...%". In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis. |

**Abbreviations and Acronyms**

| | |
|---|---|
| **AU AIICL** | Australia. Industrial Chemicals Act (AIIC) List |
| **BCF** | bioconcentration factor |
| **BOD** | biochemical oxygen demand |
| **CAS** | Chemical Abstracts Service |
| **CLP** | Classification, Labelling and Packaging |
| **CMR** | carcinogenic, mutagenic or toxic to reproduction |
| **COD** | chemical oxygen demand |
| **DNEL** | derived no-effect level |
| **DSL** | Canada. Environmental Protection Act, Domestic Substances List |
| **EINECS** | European Inventory of Existing Commercial Chemical Substances |
| **ELINCS** | European List of Notified Chemical Substances |
| **ENCS (JP)** | Japan. Kashin-Hou Law List |
| **GHS** | Globally Harmonized System of Classification and Labelling of Chemicals |
| **IECSC** | China. Inventory of Existing Chemical Substances |
| **INSQ** | Mexico. National Inventory of Chemical Substances |
| **ISHL (JP)** | Japan. Inventory of Industrial Safety & Health |
| **KECI (KR)** | Korea. Existing Chemicals Inventory |
| **LC50** | median lethal concentration |
| **LOAEC** | lowest observed adverse effect concentration |
| **LOAEL** | lowest observed adverse effect level |
| **LOEL** | lowest observed effect level |
| **NDSL** | Canada. Environmental Protection Act. Non-Domestic Substances List |
| **NLP** | no-longer polymer |
| **NOAEC** | no observed adverse effect concentration |
| **NOAEL** | no observed adverse effect level |
| **NOEC** | no observed effect concentration |
| **NOEL** | no observed effect level |
| **NZIOC** | New Zealand. Inventory of Chemicals |
| **OECD** | Organisation for Economic Cooperation and Development |

| | |
|---|---|
| **OEL** | occupational exposure limit |
| **ONT INV** | Canada. Ontario Inventory List |
| **PBT** | persistent, bioaccumulative and toxic |
| **PHARM (JP)** | Japan. Pharmacopoeia Listing |
| **PICCS (PH)** | Philippines. Inventory of Chemicals and Chemical Substances |
| **PNEC** | predicted no-effect concentration |
| **REACH Auth. No.:** | REACH Authorisation Number |
| **REACH AuthAppC. No.** | REACH Authorisation Application Consultation Number |
| **UK REACH Auth. No.:** | UK REACH Authorisation Number |
| **UK REACH AuthAppC. No.** | UK REACH Authorisation Application Consultation Number |
| **UK REACH-Reg.No** | UK REACH Registration Number |
| **STOT** | specific target organ toxicity |
| **SPM** | Synthetic Polymer Microparticles |
| **SVHC** | substance of very high concern |
| **TCSI** | Taiwan. Existing Chemicals Inventory |
| **TH INV** | Thailand. Existing Chemicals Inventory from FDA |
| **TSCA** | US. Toxic Substances Control Act |
| **UVCB** | substance of unknown or variable composition, complex reaction products or biological materials |
| **VN INVL** | Vietnam. National Chemical Inventory |
| **vPvB** | very persistent and very bioaccumulative |

**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 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.<br>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.