



1. útgáfa 16.09.2020


Öryggisblað (SDS)

Samkvæmt reglugerð Nr. 888/2015 (reglugerð EB Nr. 1907/2006 REACH)

1. Auðkenning efnisins eða blöndunnar og félagsins eða fyrirtækisins

1.1 Vörukenni:	Ediksýra 80%		
Vörunúmer:	100001950	20 kg	
1.2 Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá:	Viðeigandi notkun Ediksýra. Notkun sem ráðið er frá Engar upplýsingar fyrirleggjandi.		
1.3 Söluaðili:	N1 Dalvegur 10-14 201 Kópavogur 4401000 Sími: Netfang: n1@n1.is Veffang: www.n1.is	Framleiðandi: Brenntag Nordic A/S Borupvang 5B DK-2750, Ballerup, Danmörk 00-45-4329-2800 SDS.DK@brenntag-nordic.com www.brenntag.be	
1.4 Neyðarsímanúmer:	Eitrunarmiðstöð LSH veitir upplýsingar allan sólarhringinn um viðbrögð við slysum með hættuleg efni. Sími 543 2222. Neyðarlínan, lögregla, slökkvilið, sjúkraflutningar; sími 112.		

2. Hættugreining

2.1 Flokkun efnisins eða blöndunnar:	Flokkun skv. reglugerð EB 1272/2008 (CLP): H314 Veldur alvarlegum bruna á húð og augnskaða Húðæt.1B		
2.2 Merkingaratriði:	Merking skv. reglugerð EB 1272/2008 (CLP): Hættumerki  Viðvörunarorð HÆTTA Hættusetningar H314 Veldur alvarlegum bruna á húð og augnskaða Varnaðarsetningar P102 Geymist þar sem börn ná ekki til. P260 Andið ekki að ykkur ryki/reyk/lofttegund/úða/gufu/ýringi. P280 Notið hlífðarhanska/hlífðarfatnað/augnhlíf/andlitshlíf. P301+P330+P331 EFTIR INNTÖKU: Skolið munninn. EKKI framkalla uppköst. P303+P361+P353 BERIST EFNIÐ Á HÚÐ (eða í hár): Farið strax úr fötum sem óhreinast af efninu. Skolið húðina með vatni/Farið í sturtu. P305+P351+P338 BERIST EFNIÐ Í AUGU: Skolið varlega með vatni í nokkrar mínútur. Fjarlægjið snertilinsur ef það er auðvelt. Skolið áfram. Inniheldur: Ediksýra.		
2.3 Aðrar hættur:	Við snarpa upphitun verða til eldfimar gufur sem geta myndað sprengifima blöndu með lofti. Geymið vöruna sem eldfiman vökva. Varan inniheldur engin efni sem flokkast sem PBT eða vPvB. (PBT: Þrávirkt, safnast upp í lífverum, eitrað. vPvB: Afar þrávirkt, safnast mjög fyrir í lífverum).		

Sjá einnig 11. og 15. lið.

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

ACETIC ACID 80% / CAN 20 KG INCL FD

Version 1.0

Print Date 08.02.2019

Revision date / valid from 04.10.2017

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 A/S
Borupvang 5 B
DK 2750 Ballerup
Telephone : +45 43 29 28 00
Telefax : +45 43 29 27 00
E-mail address : SDS.DK@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

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.

Most important adverse effects

Physical and chemical hazards : Strong heating may produce combustible vapours which can form explosive mixture with air.

To be stored as flammable liquid.

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

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

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
acetic acid			
Index-No. : 607-002-00-6	>= 50 - <= 80	Flam. Liq.3 Skin Corr.1A	H226 H314
CAS-No. : 64-19-7			
EC-No. : 200-580-7			
EU REACH- : 01-2119475328-30-xxxx			
Reg. No.			

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.

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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 ₂), 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

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

Requirements for storage areas and containers : Storage must follow the regulations for flammable liquids: Class III-2 (DK only).

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.

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

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

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

Denmark. Danish List of Organic Solvents, Danish Labor Inspectorate, Threshold Limit Values (TLV):
10 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC,

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2009/161/EU, Time Weighted Average (TWA):
10 ppm, 25 mg/m³
Indicative

Denmark. Exposure Limit Values, Threshold Limit Values (TLV):
10 ppm, 25 mg/m³

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 : >= 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

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Material : Polyvinylchloride
Break through time : ≥ 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
clear
Odour : vinegar-like
Odour Threshold : no data available
pH : < 2
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 ³
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

No further information available.

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 : Corrosive in contact with 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 toxicological effects**

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

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

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

Irritation**Skin**

Result : May cause burns with pain, redness and wounds.

Eyes

Result : Splashes in the eyes may cause painful burns, which may result in permanent damage to the eyes.

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)

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

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)

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.

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Repeated exposure

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

Other toxic properties

Aspiration hazard

Not applicable,

SECTION 12: Ecological information
12.1. Toxicity

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

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
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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
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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

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

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

ACETIC ACID 80% / CAN 20 KG INCL FD

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 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 No; Tunnel restriction code) 8; C3; 80; (E)
 RID-Class : 8
 (Labels; Classification Code; Hazard identification No) 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.

ACETIC ACID 80% / CAN 20 KG INCL FD
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
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

 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.

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

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1451/2007 [Biocides],
Annex I, OJ (L 325)

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

no data available

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.

Abbreviations and Acronyms

COD
chemical oxygen demand DNEL
derived no-effect level EINECS

ACETIC ACID 80% / CAN 20 KG INCL FD

European Inventory of Existing Commercial Chemical Substances	ELINCS
European List of Notified Chemical Substances	GHS
Globally Harmonized System of Classification and Labelling of Chemicals	LC50
median lethal concentration	LOAEC
lowest observed adverse effect concentration	LOAEL
lowest observed adverse effect level	LOEL
lowest observed effect level	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	OECD
Organisation for Economic Cooperation and Development	OEL
occupational exposure limit	PBT
persistent, bioaccumulative and toxic	REACH Auth. No.:
REACH Authorisation Number	REACH AuthAppC. No.
REACH Authorisation Application Consultation Number	PNEC
predicted no-effect concentration	STOT
specific target organ toxicity	SVHC
substance of very high concern	UVCB
substance of unknown or variable composition, complex reaction products or biological	vPvB

ACETIC ACID 80% / CAN 20 KG INCL FD**materials****very persistent and very bioaccumulative****BCF** bioconcentration factor**BOD** biochemical oxygen demand**CAS** Chemical Abstracts Service**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.

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.