

Safety data sheet

Ättiksyra/Eddiksyre/Acetic Acid

Version 1.0

Effective date: 17-03-2022

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: Ättiksyra/Eddiksyre/Acetic Acid 100%
EC-No.: 200-580-7
CAS-No.: 64-19-7

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

Product use: Professional use.
Electronics chemical.

1.3 Details of the supplier of the safety data sheet

Company: Sunchem AB
Box 69
S-433 21 Partille
Sverige
Tel: +46 31 447310
www.sunchem.se

Contact: Dick Sundström - info@sunco.se

1.4 Emergency telephone number:

Use your national or local emergency number.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No. 1272/2008/GB CLP. Flam. Liq. 3; H226, Skin Corr. 1A; H314, Eye Dam. 1; H318.

2.2 Label elements CLP No. 1272/2008/GB CLP.

Hazard pictograms:



Signal word:
Danger

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Contains: Acetic acid 100%.

Hazard statements:

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

Precautionary statements:

General:

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Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P260 Do not breathe vapours.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves and eye 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 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 - Dispose of contents/ container in accordance with national regulations.

Additional labelling:

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2.3 Other hazards.

This mixture does not meet the criteria for PBT or vPvB according to regulation 1907/2006 REACH, annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

CAS/EC-no.	REACH-no.	Name	Content %	Classification CLP
64-19-7 / 200-580-7	01- 211947532830	Acetic acid	99-100	Flam. Liq. 3; H226, Skin Corr. 1A; H314, Eye Dam. 1; H318.

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See full text of H-phrases in section 16. Occupational limits, where applicable, are listed in section 8.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor if you feel unwell.
Inhalation:	Call a Poison Centre or doctor if you feel unwell. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact:	Flush skin with plenty of water. Take off immediately all contaminated clothing. Get medical attention if irritation develops.
Eye contact:	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.
Ingestion:	Rinse nose, mouth and throat with water. Drink plenty of water. Get immediately medical attention.

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

Symptoms/effects: Causes severe skin and eye burns.
Symptoms/effects after inhalation: May cause irritation or asthma-like symptoms.
Symptoms/effects after skin contact: Cause skin burns.
Symptoms/effects after eye contact: Causes serious eye damage.
Symptoms/effects after swallowing: May cause burns if swallowed in the gastrointestinal tract.

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

Treat symptomatically. Wounds should be treated by a doctor.
In case of symptoms, accident or doubt: Contact a doctor or casualty department – take the label or this safety data sheet.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
CO₂, alcohol resistant foam, extinguishing powder, water spray, sand, earth.

Extinguishing media which must not be used for safety reasons:

Water jets should not be used, since they can spread the fire.

5.2 Special hazards arising from the substance or mixture:

Flammable liquid and vapour.

Vapours may form explosive mixture with air.
Hazardous decomposition products: Highly corrosive gases, vapours, fumes, acetic acid.

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- 5.3 Advice for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Prevent firefighting water from entering the environment. Collect contaminated firefighting water for proper disposal.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin, eyes and clothes. Keep unprotected persons away. Ensure adequate ventilation, especially in confined areas. Do not breathe vapours. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take action to prevent static discharges.

6.2 Environmental precautions:

Prevent undiluted entry to sewers and public waters. Notify authorities if large quantity liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).
Large spills: Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. The product is flammable, use non-sparking tools/equipment. Never return spills to original containers for re-use. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.
See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Store as a flammable and corrosive product. Empty containers retain product residues and can therefore be dangerous.
See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapour/mist. Wash hands and other exposed parts with mild soap and water before eating, drinking, smoking or leaving the workplace. Provide adequate ventilation of the work area. Use only outdoors or in a wellventilated area. Ground and bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take action to prevent static discharges. Use non-sparking tools/equipment.

Hygiene measures:

Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.

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7.2 Conditions for safe storage, including any incompatibilities:

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Store away from Oxidizing agents and alkaloids.
Must not be mixed with: Strong alkali compounds. Strong acids.

7.3 Specific end use(s): See section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits EH40:

CAS-no:	Name:	Limits 8 h:	Limits 15 min.:	Ref./comments:
64-19-7	Acetic acid	10 ppm 25 mg/m ³	20 ppm 50 mg/m ³	EH40/-

DNEL / PNEC:

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8.2 Exposure controls.

Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

General information:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Always wash hands, forearms and face. Make sure that eyewash and emergency showers are clearly marked and available. Avoid contact with skin and eyes. Avoid breathing mist/vapors. Make sure that eyewash and emergency showers are clearly marked and available.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.



Respiratory protection:

In case of inadequate ventilation, use respiratory protection with filter A/E (brown/yellow) – EN 149.

Hand protection:

If there is a risk of skin contact, wear suitable protective gloves. Butyl rubber. Breakthrough time: 6 (≥480 minutes). Thickness: 0.2 - 0.4 mm. STANDARD EN 374.

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Eye protection: Tightly fitting safety goggles. EN 166.

Body protection: Impervious working clothes.

Measures to avoid environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	Liquid
Colour:	Colorless
Odour:	Acetic acid
Melting point/freezing point:	16,6°C
Boiling point:	118°C
Flammability:	Flammable liquid and vapour
Lower and upper explosion limit:	4 – 20 vol. %
Flash point:	39°C – Closed cup
Auto-ignition temperature:	426°C
Decomposition temperature:	Not relevant/no data
pH:	2,4
Dynamic viscosity:	1.22 mPas - 20°C
Solubility:	Soluble in water – 6029 g/L
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	1.519 kPa
Density and/or relative density:	1.07 g/cm ³ - 20°C
Relative vapour density:	Not relevant/no data
	Not relevant/no data

Particle characteristics:

9.2 Other information:

Molecular weight: 60.05 g/mol.

Explosive properties: The product is not explosive.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use and storage. Thermal decomposition produces: Corrosive vapors.

10.2 Chemical stability: Stable under normal storage conditions. Flammable liquid and vapour Vapours may form explosive mixture with air.

10.3 Possibility of hazardous reactions:

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None known if used and storage as recommended.

10.4 Conditions to avoid: Avoid exposure to high temperatures or direct sunlight and sparks. Avoid heat, flames and other sources of ignition. Extremely high and low temperatures.

10.5 Incompatible materials: Bases. Strong alkali compounds. Alkaline metals. Fluorides. Strong oxidizing agents. Reducing substances. Can attack light metals and release hydrogen gas. Strong acids.

10.6 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition produces: Corrosive vapors. Flammable gasses.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute toxicity: Not classified.

Skin corrosion/irritation: Causes severe skin burns.
pH 2.4.

Serious eye damage/irritation: Causes serious eye damage.
pH 2.4.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties: The product/substance has no endocrine disrupting properties.

Additional information: -

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified harmful to the environment.

Acetic acid – CAS 64-19-7:
Fish – LC50 – 96 h.: 79 mg/L
Daphnia – EC50 – 48 h.: 65 mg/L

12.2 Persistence and degradability:

Acetic acid – CAS 64-19-7:
Readily biodegradable - >60% - 28 days – OECD 301C.

12.3 Bioaccumulative potential:

Acetic acid – CAS 64-19-7: No
known potential.

12.4 Mobility in soil:

The product contains substances that are water-soluble and can be spread in the aquatic environment.

12.5 Result of PBT and vPvB assessment:

This mixture does not meet the criteria for PBT or vPvB according to regulation 1907/2006 REACH, annex XIII.

12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects:

Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Avoid release to the environment. This product is hazardous waste.
Dispose in a safe manner in accordance with local/national regulations.
The coding of a waste stream is based on the application of the product by the consumer – end-user.

Option:

EWC-Code:

06 01 06* other acids.

Contaminated packing:

Properly cleaned container is disposed of according to packaging material, otherwise:
15 01 10* packaging containing residues of or contaminated by dangerous substances.

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SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number	2790	2790
14.2 UN proper shipping name	ACETIC ACID SOLUTION	ACETIC ACID SOLUTION
14.3 Transport hazard class(es)	8	8
14.4 Packing group	II	II
14.5 Environmental hazards - MP	No F-A, S-B	NO F-A, S-B
Other informations	LQ: 1 L. Tunnel: E	LQ: 1 L. Tunnel: E

14.6 Special precautions for user:

Not relevant.

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

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. EU No. 2020/878. CLP No. 1272/2008. GB CLP.

Additional information:

People under the age of 18 must not be exposed to this product. Council Directive 94/33/EC.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 2/3:

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Validated by:

www.chemgroup.se

