

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Relevant identified uses of the substance or mixture and uses advised against:

Use of substance / mixture: Used in wastewater treatment.

Company name: Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification under CHIP: C: R34

Classification under CLP: Skin Corr. 1B: H314

Most important adverse effects: Causes burns.

Label elements:

Label elements under CLP:

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



Precautionary statements:

- P260: Do not breathe dust or mist.
- P264: Wash with plenty of water and soap thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER or doctor.
- P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

SAFETY DATA SHEET

Acetic Acid 40%

Issued: 04/10/2021

Page 2

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents/container to hazardous waste collection point.

Label elements under CHIP:

Hazard symbols: Corrosive.



Risk phrases: R34: Causes burns.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards:

PBT: This substance is not identified as a PBT substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Hazardous ingredients: ACETIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-580-7	64-19-7	-: R10; C: R35	Flam. Liq. 3: H226; Skin Corr. 1A: H314	30-50%

4. FIRST AID MEASURES

Description of first aid measures:

Skin contact: Wash skin thoroughly . Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove to fresh air. Get prompt medical attention.

Most important symptoms and effects, both acute and delayed:

Skin contact: Corrosive

Eye contact: Corrosive to eyes.

Ingestion: No data available.

Inhalation: No data available.

Indication of any immediate medical attention and special treatment needed:

[cont...]

SAFETY DATA SHEET

Acetic Acid 40%

Issued: 04/10/2021

Page 3

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Dry chemical powder. Foam.

Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Wear suitable protective clothing and gloves.

Environmental precautions: Contain the spillage using bunding. Do not discharge into drains or rivers.

Methods and material for containment and cleaning up:

Clean-up procedures: For small spills absorb with earth or sand and remove to a safe place prior to disposal.
For a large spill contain as much as possible and transfer to a salvage tank.

Reference to other sections:

7. HANDLING AND STORAGE

Precautions for safe handling:

Handling requirements: No specific precautions.

Conditions for safe storage, including any incompatibilities:

Storage conditions: Store in cool, well-ventilated area. Keep container tightly closed.

Specific end use(s):

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Hazardous ingredients: ACETIC ACID...100%

Workplace exposure limits: Respirable dust

State	8 hour TWA:	15 min. STEL:	8 hour TWA:	15 min. STEL:
UK	25 mg/m ³	37 mg/m ³	-	-

[cont...]

SAFETY DATA SHEET

Acetic Acid 40%

Issued: 04/10/2021

Page 4

Exposure controls:

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus or approved respirators must be available/used if vapours occur or are formed e.g., in handling operations.

Hand protection: Butyl gloves. Nitrile gloves.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing, rubber.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

State: Liquid
Boiling point/range°C: 100
Flash point°C: >120
Relative density: 1
pH: 4-5
Other information: No data available.

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport or storage conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions:

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Conditions to avoid: No known adverse reactions.

Incompatible materials:

Materials to avoid: Oxidising agents. Strong acids. Strong bases.

Hazardous decomposition products: No hazardous decomposition products if stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RAT	LD50	>2,000	mg/kg
ORAL	RAT	LD50	>5,000	mg/kg

Hazardous ingredients:

ACETIC ACID...100%

IVN	MUS	LD50	525	mg/kg
ORL	RAT	LD50	3310	mg/kg

[cont...]

SAFETY DATA SHEET

Acetic Acid 40%

Issued: 04/10/2021

Page 5

Relevant effects for mixture:

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

Symptoms / routes of exposure:

Skin contact:	Corrosive.
Eye contact:	Corrosive to eyes.
Ingestion:	No data available.
Inhalation:	No data available.

12. ECOLOGICAL INFORMATION

Toxicity:

Ecotoxicity values: No data available.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: Not expected to Bioaccumulate.

Mobility in soil:

Mobility: No data available.

Results of PBT and vPvB assessment:

PBT identification: This substance is not identified as a PBT substance.

Other adverse effects:

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

UN number: UN2790

UN proper shipping name:

Shipping name: ACETIC ACID, SOLUTION

Transport hazard class(es):

Transport class: 8

Packing group: II

[cont...]

SAFETY DATA SHEET

Acetic Acid 40%

Issued: 04/10/2021

Page 6

Environmentally hazardous: No

Marine pollutant: No

Special precautions for user:

Tunnel code: E

Transport category: 2

15. REGULATORY INFORMATION

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* Indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.
R10: Flammable.
R34: Causes burns.
R35: Causes severe burns.

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.