



SAFETY DATA SHEET
ACETIC ACID 80%- FOOD GRADE

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Compilation date: 16/04/2014

Revision date: 03/04/2025

Revision No: 3

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: ACETIC ACID 80%- FOOD GRADE

REACH registered number(s): 01-2119475328-30

CAS number: 64-19-17

EINECS number: 200-580-7

Index number: 6007-002-00-6

Product code: 039-RM

Synonyms: VINEGAR ACID >80<90

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

Use of substance / mixture: Industrial application. Food Industry.

1.3. Details of the supplier of the safety data sheet

Company name: Multex Chemicals Ltd.

Multex House

Cannon Street

HULL

East Yorkshire

HU2 OAB

Tel: 01482 320432

Fax: 01482 321777

Email: sales@multexchemicals.co.uk

1.4. Emergency telephone number

Emergency tel: 01482 320432

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226; Skin Corr. 1B: H314

Most important adverse effects: Flammable liquid and vapour. Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

Hazard pictograms: GHS02: Flame

GHS05: Corrosion

[cont...]

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Signal words: Danger

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P242: Use non-sparking tools.
P260: Do not breathe vapours/spray.
P243: Take action to prevent static discharges.
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 .
P305+P351+P338: 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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P264: Wash contaminated clothing thoroughly after handling.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to in accordance with local regulations.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ACETIC ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-580-7	64-19-7	-	Flam. Liq. 3: H226; Skin Corr. 1A: H314	70-90%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If irritation persists seek medical advice.
Launder clothing before re-use.

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- Eye contact:** Bathe the eye with running water for 15 minutes. Remove Contact Lenses. Consult a doctor. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact. Severe burns may occur.
- Eye contact:** The eyes may water profusely. Corneal burns may occur. The vision may become blurred. There may be irritation and pain.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Carbon dioxide. Water fog. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapours are heavier than air, and may travel along the floor and in bottom of containers.

5.3. Advice for fire-fighters

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

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Eliminate all sources of ignition. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

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6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.
Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of mists in the air.
Smoking is forbidden. Use non-sparking tools. Earth any equipment used in handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.
Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves. Butyl gloves. Rubber gloves.

Eye protection: Ensure eye bath is to hand. Safety goggles.

Skin protection: Protective clothing. Rubber apron. Rubber boots. Ensure safety shower is to hand.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Colourless
Odour: Characteristic odour
Solubility in water: Soluble
Viscosity: Non-viscous
Boiling point/range°C: >100
Flammability limits %: lower: 4.0
upper: 17
Flash point°C: 55 - 60
Autoflammability°C: >250
Vapour pressure: 15.7 mbar@20
Relative density: 1.065@20
pH: 2.4 @5%

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong reducing agents. Alkalis. Alcohols.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
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ORAL	RAT	LD50	3310	mg/kg
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Hazardous ingredients:

ACETIC ACID...100%

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

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. Severe burns may occur.

Eye contact: The eyes may water profusely. Corneal burns may occur. The vision may become blurred. There may be irritation and pain.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Rapidly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil. Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

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13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Unlaundered containers must be treated the same as if full. Dispose of rags to fireproof bucket. Disposal should be carried out only by qualified personnel familiar with the material

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. Arrange for collection by specialised disposal company.

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

Section 14: Transport information

14.1. UN number

UN number: UN2789

14.2. UN proper shipping name

Shipping name: ACETIC ACID, SOLUTION

14.3. Transport hazard class(es)

Transport class: 8 (3)

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

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Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.