

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

1.1. Product identifier

Product name: ACETIC ACID...100%

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

CAS number: 64-19-7

EINECS number: 200-580-7

Index number: 607-002-00-6

Product code: B8F75513, B8R04066

Synonyms: ETHANOIC ACID

METHANECARBOXYLIC ACID

GLACIAL ACETIC ACID

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

Use of substance / mixture: Laboratory Chemicals, Manufacture of Substances.

1.3. Details of the supplier of the safety data sheet

Company name: PHILIP HARRIS

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

Tel: +44 (0)845 1200 506

Fax: +44 (0)161 367 2140

Email: enquiries@philipharris.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 845 1200 506

Section 2: Hazards identification

2.1. Classification of the substance or mixture

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

Signal words: Danger

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Hazard pictograms: GHS02: Flame

GHS05: Corrosion



Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: ACETIC ACID...100%

CAS number: 64-19-7

EINECS number: 200-580-7

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

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Protect uninjured eye. Remove contact lenses, if present and easy to do. Consult a doctor.

Ingestion: Wash out mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. 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.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

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.

[cont...]

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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: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: CO₂, dry sand Water spray. Dry chemical powder. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: If this product is involved in a fire, the following can be released: Carbon Monoxide and Carbon Dioxide.

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: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to a safe area.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Soak up inert absorbent and dispose as waste requiring special attention. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with skin & eyes. Avoid formation of dust & aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from heat, sparks and open flames. Keep Container tightly closed in a cool, well-ventilated place.

Suitable packaging: Must only be kept in original packaging.

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7.3. Specific end use(s)

Specific end use(s): Apart from uses mentioned in section 1.2 no other specific uses are stipulated.

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. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full face respirator with multi purpose combination (US) or type AXBEK (EN14387 respirator cartridges as a back up to engineering controls. Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use.

Wash and dry hands. Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Eye protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU). Ensure eye bath is to hand.

Skin protection: Protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environmental: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Vinegar-like

Evaporation rate: 0.97 (Bytyl Acetate=1.0)

Oxidising: No data available.

Solubility in water: Miscible

Viscosity: 1.53 mPa.s @ 25°C

Boiling point/range°C: 117-118°C

Melting point/range°C: 16.5°C/60.8 - 61.7°F

Flammability limits %: lower: 4vol%

upper: 19.9vol%

Flash point°C: 40°C/104°F

Part.coeff. n-octanol/water: Acetic Acid -0.2

Autoflammability°C: No data available.

Vapour pressure: 1.52kPa@20°C

Relative density: No data available.

pH: 2.5

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerization does not occur. None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: Incompatible products, Excess heat, keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Haz. decomp. products: Carbon Monoxide and Carbon Dioxide are emitted.

Section 11: Toxicological information

11.1. Information on toxicological effects

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Toxicity values:

Route	Species	Test	Value	Units
ORL	RAT	LD50	790	mg/kg
IVN	MUS	LD50	525	mg/kg
IVN	RAT	LD50	310	mg/kg
ORL	MUS	LD50	2680	mg/kg

Hazardous ingredients:

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IVN	MUS	LD50	525	mg/kg
IVN	RAT	LD50	310	mg/kg
ORL	MUS	LD50	2680	mg/kg
ORL	RAT	LD50	790	mg/kg

Relevant hazards for substance:

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.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

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.

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

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
DAPHNIA	48H EC50	1983	mg/l
FISH	96H LC50	1840	mg/l

[cont...]

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Hazardous ingredients:

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DAPHNIA	48H EC50	1983	mg/l
FISH	96H LC50	1840	mg/l

12.2. Persistence and degradability

Persistence and degradability: Expected to be biodegradable. Miscible with water, persistence is unlikely, based on information available. Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation is unlikely.

12.4. Mobility in soil

Mobility: 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

13.1. Waste treatment methods

Disposal operations: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of packaging: Dispose of as unused product.

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, GLACIAL

14.3. Transport hazard class(es)

Transport class: 8 (3)

14.4. Packing group

Packing group: II

[cont...]

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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

Specific regulations: Not applicable.

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 453/2010.

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

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.