

PERACETIC ACID 15%
SAFETY DATA SHEET
According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

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

1.1. Product identifier

Product form : Mixture
Trade name : PERACETIC ACID 15%
Type of product : Biocidal products (e.g. Disinfectants, pest control)
Product group : End product

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Disinfectant

1.2.2. Uses advised against

Restrictions on use : Not for consumer sale or use

1.3. Details of the supplier of the safety data sheet

Manufacturer
Abbeychem Limited T/A Abbey Chemicals
Victory House
245 Southtown Road
Great Yarmouth
Norfolk
NR31 0JJ

sales@abbeychemicals.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1270 502891

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Organic Peroxides, Type F H242
Corrosive to metals, Category 1 H290
Acute toxicity (oral), Category 4 H302
Acute toxicity (dermal), Category 3 H311
Acute toxicity (inhalation:dust,mist) Category 3 H331
Skin corrosion/irritation, Category 1, Sub-Category 1A H314
Serious eye damage/eye irritation, Category 1 H318
Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



GHS02 GHS05 GHS06 GHS09

Signal word (GB CLP)

: Danger

Contains

: acetic acid ... %; hydrogen peroxide solution... %; peracetic acid . . . %

Hazard statements (GB CLP)

: H242 - Heating may cause a fire.
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H311+H331 - Toxic in contact with skin or if inhaled.
H314 - Causes severe skin burns and eye damage.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GB CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P234 - Keep only in original packaging.
P260 - Do not breathe vapours, spray.
P264 - Wash Any exposed skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
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 or shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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, a doctor.
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P411 - Store at temperatures not exceeding 30 °C 86 °F.
P501 - Dispose of contents and container to a hazardous or special waste collection point.

EUH-statements (GB CLP)

: EUH071 - Corrosive to the respiratory tract.

Extra phrases (GB CLP)

: Use biocides safely. Always read the label and product information before use.
Acquisition, possession or use by the general public is restricted.
For professional users only.

2.3. Other hazards

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	acetic acid ... % (64-19-7), hydrogen peroxide solution... % (7722-84-1), peracetic acid . . . % (79-21-0)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	acetic acid ... % (64-19-7), hydrogen peroxide solution... % (7722-84-1), peracetic acid . . . % (79-21-0)
Component	
Substance(s) not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	hydrogen peroxide solution... %(7722-84-1), acetic acid ... %(64-19-7), peracetic acid . . . %(79-21-0)

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
hydrogen peroxide solution... %	CAS-No.: 7722-84-1 EC-No.: 231-765-0 UK Index-No.: 008-003-00-9	≥ 25 – < 50	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 (ATE=431 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 3, H412
acetic acid ... %	CAS-No.: 64-19-7 EC-No.: 200-580-7 UK Index-No.: 607-002-00-6	≥ 10 – < 25	Flam. Liq. 3, H226 Skin Corr. 1A, H314
peracetic acid . . . % (Active substance (Biocide))	CAS-No.: 79-21-0 EC-No.: 201-186-8 UK Index-No.: 607-094-00-8	≥ 10 – < 25	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 3 (Oral), H301 (ATE=85 mg/kg bodyweight) Acute Tox. 2 (Dermal), H310 (ATE=56.1 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.204 mg/l/4h) Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
hydrogen peroxide solution... %	CAS-No.: 7722-84-1 EC-No.: 231-765-0 UK Index-No.: 008-003-00-9	(5 ≤ C < 8) Eye Irrit. 2; H319 (8 ≤ C < 50) Eye Dam. 1; H318 (35 ≤ C < 50) Skin Irrit. 2; H315 (35 ≤ C ≤ 100) STOT SE 3; H335 (50 ≤ C < 70) Ox. Liq. 2; H272 (50 ≤ C < 70) Skin Corr. 1B; H314 (70 ≤ C ≤ 100) Ox. Liq. 1; H271 (70 ≤ C ≤ 100) Skin Corr. 1A; H314
acetic acid ... %	CAS-No.: 64-19-7 EC-No.: 200-580-7 UK Index-No.: 607-002-00-6	(10 ≤ C < 25) Skin Irrit. 2; H315 (10 ≤ C < 25) Eye Irrit. 2; H319 (25 ≤ C < 90) Skin Corr. 1B; H314 (90 ≤ C ≤ 100) Skin Corr. 1A; H314
peracetic acid . . . % (Active substance (Biocide))	CAS-No.: 79-21-0 EC-No.: 201-186-8 UK Index-No.: 607-094-00-8	(1 ≤ C ≤ 100) STOT SE 3; H335

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Continue to rinse for at least 15 minutes. Wash contaminated clothing before reuse. Get immediate medical advice/attention. Burns should be treated by doctor.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation	: Corrosive to the respiratory tract. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). Toxic if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes severe burns. May cause immediate skin irritation and blistering. Toxic in contact with skin. Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: May cause or intensify fire; oxidiser.
Hazardous decomposition products in case of fire	: Toxic and corrosive fumes are released. Carbon oxides (CO, CO ₂). Sulfur oxides (SO _x). Oxygen.

5.3. Advice for firefighters

Precautionary measures fire	: Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Firefighting instructions	: Prevent fire fighting water from entering the environment. Cool laterally with water containers exposed to flames, even after the fire is extinguished. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin, eyes and clothing. Do not breathe mist, vapours, spray.

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6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect spillage.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Absorb with an inert material and place in an appropriate waste disposal container. Notify authorities if product enters sewers or public waters.
- Other information : Place in an appropriate container and dispose of the contaminated material at a licensed site. Dispose of the material collected according to regulations. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Do not breathe mist, vapours, spray.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store away from other materials. Protect from sunlight. Keep only in original container. Store locked up. Keep cool. Store in corrosive resistant container with a resistant inner liner. Keep in the dark. Store in a well-ventilated place. Keep container tightly closed.
- Incompatible products : Refer to Section 10 on Incompatible Materials.
- Incompatible materials : combustible materials. Metals.
- Maximum storage period : ≤ 12 months
- Storage temperature : > 0 – ≤ 30 °C
- Packaging materials : Keep only in the original container in a cool, well-ventilated place away from combustible materials.

7.3. Specific end use(s)

See Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

acetic acid ... % (64-19-7)

United Kingdom - Occupational Exposure Limits

Local name	Acetic acid
WEL TWA (OEL TWA)	25 mg/m ³

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acetic acid ... % (64-19-7)	
	10 ppm
WEL STEL (OEL STEL)	50 mg/m ³
	20 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

hydrogen peroxide solution... % (7722-84-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Hydrogen peroxide
WEL TWA (OEL TWA)	1.4 mg/m ³
	1 ppm
WEL STEL (OEL STEL)	2.8 mg/m ³
	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

acetic acid ... % (64-19-7)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	25 mg/m ³
Long-term - local effects, inhalation	25 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	25 mg/m ³
Long-term - local effects, inhalation	25 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	3.058 mg/l
PNEC aqua (marine water)	0.3058 mg/l
PNEC aqua (intermittent, freshwater)	30.58 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	11.36 mg/kg dwt
PNEC sediment (marine water)	1.136 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.47 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	85 mg/l

hydrogen peroxide solution... % (7722-84-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m ³
Long-term - local effects, inhalation	1.4 mg/m ³

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hydrogen peroxide solution... % (7722-84-1)	
DNEL/DMEL (General population)	
Acute - local effects, inhalation	1.93 mg/m ³
Long-term - local effects, inhalation	0.21 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.0126 mg/l
PNEC aqua (marine water)	0.0126 mg/l
PNEC aqua (intermittent, freshwater)	0.0138 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.047 mg/kg dwt
PNEC sediment (marine water)	0.047 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0023 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4.66 mg/l
peracetic acid . . . % (79-21-0)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	560 µg/m ³
Long-term - local effects, inhalation	560 µg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	280 µg/m ³
Long-term - local effects, inhalation	280 µg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	94 µg/L
PNEC aqua (marine water)	9.4 µg/L
PNEC aqua (intermittent, freshwater)	1.6 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	3.5 µg/kg dw
PNEC sediment (marine water)	0.35 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	51 µg/L

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Do not exceed the occupational exposure limits (OEL). Provide adequate ventilation. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses (EN 166). Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves against chemicals (EN 374). preferably. Butyl rubber

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Pungent.
Odour threshold	: Not available
pH	: < 1.5
pH solution concentration	: 100 %
Melting point	: -15 °C
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: 1.16 kg/l
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
SADT	: 45 °C
Viscosity, kinematic	: 1.25 mm ² /s
Explosive properties	: Not available

9.2. Other information

Particle characteristics	: Not applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

Heating may cause a fire.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Acids. Bases. Reducing agents. Flammable or combustible materials. Hydrocarbons. Organic materials. Ammonia. Amines. Ethers. May be corrosive to metals. Carbon steel. Mild steel. Aluminium. Oxidising agents. copper. Iron. Combustible materials. metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Carbon oxides (CO, CO₂). Oxygen. Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Toxic in contact with skin.
Acute toxicity (inhalation) : Inhalation:dust,mist: Toxic if inhaled.

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ATE UK (oral)	426.025 mg/kg bodyweight
ATE UK (dermal)	374 mg/kg bodyweight
ATE UK (dust,mist)	0.5 mg/l/4h

acetic acid ... % (64-19-7)

LD50 oral rat	3310 mg/kg bodyweight Animal: rat
LD50 oral	4960 mg/kg bodyweight Animal: mouse
LC50 Inhalation - Rat (Vapours)	11.4 mg/l/4h

hydrogen peroxide solution... % (7722-84-1)

LD50 oral rat	431 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

peracetic acid . . . % (79-21-0)

LD50 oral rat	85 mg/kg
LD50 dermal rabbit	56.1 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	0.204 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.
pH: < 1.5

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acetic acid ... % (64-19-7)

pH	2.4
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Serious eye damage/irritation : Causes serious eye damage.
pH: < 1.5

acetic acid ... % (64-19-7)

pH	2.4
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Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met).

hydrogen peroxide solution... % (7722-84-1)

STOT-single exposure	May cause respiratory irritation.
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peracetic acid . . . % (79-21-0)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

acetic acid ... % (64-19-7)

NOAEL (oral, rat, 90 days)	290 mg/kg bodyweight Animal: rat, Animal sex: male
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Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic	1.25 mm ² /s
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acetic acid ... % (64-19-7)

Viscosity, kinematic	1.015 mm ² /s
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

acetic acid ... % (64-19-7)

LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	> 300.82 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	> 300.82 mg/l Test organisms (species): Daphnia magna

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acetic acid ... % (64-19-7)	
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Skeletonema costatum
EC50 72h - Algae [2]	> 300.82 mg/l Test organisms (species): Skeletonema costatum

hydrogen peroxide solution... % (7722-84-1)	
LC50 - Fish [1]	16.4 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	2.4 mg/l
EC50 72h - Algae [1]	1.38 mg/l Test organisms (species): Skeletonema costatum
ErC50 algae	1.38 mg/l Skeletonema costatum (marine diatom)
LOEC (chronic)	1.25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.63 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

peracetic acid . . . % (79-21-0)	
LC50 - Fish [1]	1.1 mg/l
EC50 - Crustacea [1]	0.73 mg/l
EC50 72h - Algae [1]	0.16 mg/l Selenastrum capricornutum
NOEC chronic fish	0.00094 mg/l Brachydanio rerio (zebra-fish)
NOEC chronic crustacea	0.012 mg/l Daphnia magna (Water flea)
NOEC chronic algae	0.061 mg/l Selenastrum capricornutum

12.2. Persistence and degradability

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Persistence and degradability	Expected to be biodegradable.
acetic acid ... % (64-19-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	96 %
hydrogen peroxide solution... % (7722-84-1)	
Persistence and degradability	Rapidly degradable
peracetic acid . . . % (79-21-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

PERACETIC ACID 15%	
Bioaccumulative potential	Not determined.
acetic acid ... % (64-19-7)	
Partition coefficient n-octanol/water (Log Kow)	-0.17
Bioaccumulative potential	Bioaccumulation unlikely.
hydrogen peroxide solution... % (7722-84-1)	
Bioaccumulative potential	Bioaccumulation unlikely.
peracetic acid . . . % (79-21-0)	
Partition coefficient n-octanol/water (Log Pow)	-0.46

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peracetic acid . . . % (79-21-0)	
Additional information	Low bioaccumulation potential

12.4. Mobility in soil

acetic acid ... % (64-19-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.2

hydrogen peroxide solution... % (7722-84-1)	
Ecology - soil	Can be leached out from soil.

peracetic acid . . . % (79-21-0)	
Additional information	Material highly soluble in water

12.5. Results of PBT and vPvB assessment

Component	
acetic acid ... % (64-19-7)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
hydrogen peroxide solution... % (7722-84-1)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
peracetic acid . . . % (79-21-0)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : May cause pH changes in aqueous ecological systems.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
HP Code	: HP2 - "Oxidising:" waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials. HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure. HP8 - "Corrosive:" waste which on application can cause skin corrosion. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

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SECTION 14: Transport information

In accordance with ADR / IMDG / ADN / RID

ADR	IMDG	ADN	RID
14.1. UN number			
UN 3109	UN 3109	UN 3109	UN 3109
14.2. UN proper shipping name			
ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized))	ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized))	ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized))	ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized))
Transport document description			
UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized)), 5.2 (8), (D), ENVIRONMENTALLY HAZARDOUS	UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized)), 5.2 (8), MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized)), 5.2 (8), ENVIRONMENTALLY HAZARDOUS	UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID ((PEROXYACETIC ACID, TYPE F, stabilized)), 5.2 (8), ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)			
5.2 (8)	5.2 (8)	5.2 (8)	5.2 (8)
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: True	Dangerous for the environment: True Marine pollutant: Yes	Dangerous for the environment: True	Dangerous for the environment: True
No supplementary information available			

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: P1
Special provisions (ADR)	: 122, 274
Limited quantities (ADR)	: 125ml
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P520, IBC520
Mixed packing provisions (ADR)	: MP4
Portable tank and bulk container instructions (ADR)	: T23
Tank code (ADR)	: L4BN(+)
Tank special provisions (ADR)	: TU3, TU13, TU30, TE12, TA2, TM4
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V1
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV15, CV22, CV24
Hazard identification number (Kemler No.)	: 539

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Orange plates



Tunnel restriction code (ADR) : D
EAC code : 2W

Transport by sea

Special provisions (IMDG) : 122, 274
Limited quantities (IMDG) : 125 ml
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P520
IBC packing instructions (IMDG) : IBC520
Tank instructions (IMDG) : T23
EmS-No. (Fire) : F-J
EmS-No. (Spillage) : S-R
Stowage category (IMDG) : D
Stowage and handling (IMDG) : SW1
Segregation (IMDG) : SG35, SG36, SG72
Properties and observations (IMDG) : Decomposes at elevated temperatures or in a fire. Burns vigorously. Immiscible with water except for tert-butylhydroperoxide; dibenzoyl peroxide; dilauroylperoxide and peroxyacetic acid, type F, stabilized. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.

Rail transport

Classification code (RID) : P1
Special provisions (RID) : 122, 274
Limited quantities (RID) : 125ml
Excepted quantities (RID) : E0
Packing instructions (RID) : P520, IBC520
Mixed packing provisions (RID) : MP4
Portable tank and bulk container instructions (RID) : T23
Tank codes for RID tanks (RID) : L4BN(+)
Special provisions for RID tanks (RID) : TU3, TU13, TU30, TE12, TA2, TM4
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W7
Special provisions for carriage - Loading, unloading and handling (RID) : CW22, CW24, CW29
Colis express (express parcels) (RID) : CE6
Hazard identification number (RID) : 539

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

Contains no substance(s) listed on the UK REACH Candidate List

Biocide Regulation (528/2012)

Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

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Type of product (Biocide) : 2 - Disinfectants and algacides not intended for direct application to humans or animals, 3 - Veterinary hygiene, 4 - Food and feed area
Authorisation number : EU-0028970-0005 1-3
Contains : peracetic acid . . . % (15.00 % (percentage))

GB PIC regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure: Sulfuric acid - 7664-93-9 (15 % w/w)

Drug Precursors Regulation (273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

British National Regulations : This is a regulated/reportable substance under the Poisons Act 1972 as amended by the Control of Explosives Precursors and Poisons Regulations 2023.

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

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Abbreviations and acronyms:	
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH071	Corrosive to the respiratory tract.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidiser.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

Full text of H- and EUH-statements:	
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Org. Perox. D	Organic Peroxides, Type D
Org. Perox. F	Organic Peroxides, Type F
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Org. Perox. F	H242	On basis of test data
Met. Corr. 1	H290	Expert judgement
Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 3 (Dermal)	H311	Calculation method
Acute Tox. 3 (Inhalation:dust,mist)	H331	Expert judgement
Skin Corr. 1A	H314	Expert judgement
Eye Dam. 1	H318	On basis of test data
Aquatic Chronic 1	H410	Calculation method

Safety Data Sheet (SDS), UK

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.