

## PROXITANE SANITISER, PROXITANE AG SANITISER

Revision Date 17.09.2025

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- |              |   |
|--------------|---|
| - Trade name | PROXITANE SANITISER, PROXITANE AG SANITISER |
| - Synonyms   | Peracetic acid, Peroxyethanoic acid, PAA    |
| - Formula    | CH <sub>3</sub> -COOOH                      |

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Uses of the Substance/Mixture**

- Cleaning agent
- Disinfectants and general biocidal products
- Oxidizing agents

**1.3 Details of the supplier of the safety data sheet****Company**

Solvay Interox Pty Ltd  
 20-22 McPherson St  
 NSW 2019 Banksmeadow  
 AUSTRALIA  
 Phone: +61 02 9316 8000  
 Fax: +61 02 9316 6445

**E-mail address**

manager.sds@solvay.com

**1.4 Emergency telephone number**

+61 2 8014 4558 [CareChem 24]  
 MULTI LINGUAL EMERGENCY NUMBER (24/7)  
 Europe/Latin America/Africa: +44 1235 239 670 (UK)  
 Middle East/Africa speaking Arabic: +44 1235 239 671 (UK)  
 Asia Pacific : +65 3158 1074 (Singapore)  
 China : 400 120 6011 (toll-free, access from China only)  
 North America : +1 800 424 9300

**Poisons information**

- "For advice, contact a Poison Information Center (e.g. phone Australia 13 1126) or a doctor (at once)"

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Work Health and Safety Regulation 2011**

- |  |   |
|--|---|
| - Flammable liquids , Category 4                               | H227: Combustible liquid.                                     |
| - Oxidizing liquids , Category 2                               | H272: May intensify fire; oxidizer.                           |
| - Corrosive to metals , Category 1                             | H290: May be corrosive to metals.                             |
| - Acute toxicity , Category 4                                  | H302: Harmful if swallowed.                                   |
| - Acute toxicity , Category 4                                  | H332: Harmful if inhaled.                                     |
| - Acute toxicity , Category 4                                  | H312: Harmful in contact with skin.                           |
| - Skin corrosion , Sub-category 1B                             | H314: Causes severe skin burns and eye damage.                |
| - Serious eye damage , Category 1                              | H318: Causes serious eye damage.                              |
| - Specific target organ toxicity - single exposure, Category 3 | H335: May cause respiratory irritation. (Respiratory system), |

**SUSMP (AU)**

P00000017601  
 Version : 3.04 / AU ( EN )  
 www.solvay.com



- Schedule 6: Poison

Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical.

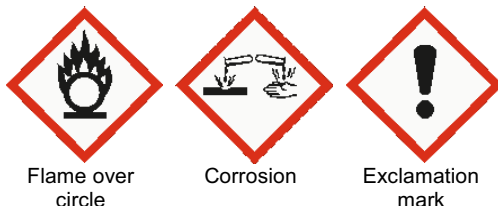
## 2.2 Label elements

### Work Health and Safety Regulation 2011

#### Hazardous products which must be listed on the label

- CAS-No. 7722-84-1 hydrogen peroxide
- CAS-No. 79-21-0 peracetic acid

#### Pictogram



#### Signal word

- Danger

#### Hazard statements

- H227 Combustible liquid.
- H272 May intensify fire; oxidizer.
- H290 May be corrosive to metals.
- H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.

#### Precautionary statements

##### Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P220 Keep away from clothing and other combustible materials.
- P234 Keep only in original packaging.
- P261 Avoid breathing mist or vapours.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

##### Response

- P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
- 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.
- P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
- 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/ doctor.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P390 Absorb spillage to prevent material damage.
- P370 + P378 In case of fire: Use water spray to extinguish.

##### Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P406 Store in a corrosion resistant container with a resistant inner liner.

##### Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

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## 2.3 Other hazards which do not result in classification

- Short-term (acute) aquatic hazard, Category 2, H401: Toxic to aquatic life.
- Long-term (chronic) aquatic hazard, Category 1, H410: Very toxic to aquatic life with long lasting effects.

## SECTION 3: Composition/information on ingredients

## 3.1 Substance

- Not applicable, this product is a mixture.

## 3.2 Mixture

## Information on Components and Impurities

Chemical name	CAS-No.	GHS Classification	Concentration [%]
Hydrogen peroxide	7722-84-1	Oxidizing liquids, Category 1 ; H271 Acute toxicity, Category 4 ; H302 Skin corrosion, Sub-category 1A ; H314 Serious eye damage, Category 1 ; H318 Specific target organ toxicity - single exposure, Category 3 ; H335 (Respiratory system) <b>Specific concentration limits:</b> C: >= 70 %, Oxidizing liquids, Category 1; H271 C: 50 - < 70 %, Oxidizing liquids, Category 2; H272 C: >= 70 %, Skin corrosion, Category 1A; H314 C: 50 - < 70 %, Skin corrosion, Category 1B; H314 C: 35 - < 50 %, Skin irritation, Category 2; H315 C: 8 - < 50 %, Serious eye damage, Category 1; H318 C: 5 - < 8 %, Eye irritation, Category 2; H319 C: >= 35 %, Specific target organ toxicity - single exposure, Category 3; H335	>= 20 - <= 25
Acetic acid	64-19-7	Flammable liquids, Category 3 ; H226 Skin corrosion, Sub-category 1A ; H314 Serious eye damage, Category 1 ; H318 <b>Specific concentration limits:</b> C: >= 90 %, Skin corrosion, Category 1A; H314 C: 25 - < 90 %, Skin corrosion, Category 1B; H314 C: 10 - < 25 %, Skin irritation, Category 2; H315 C: 10 - < 25 %, Eye irritation, Category 2; H319 C: 2.5 - < 10 %, Skin irritation, Category 3; H316	>= 5 - <= 10

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Peroxyacetic acid	79-21-0	Flammable liquids, Category 3 ; H226 Organic peroxides, Type D ; H242 Acute toxicity, Category 4 ; H302 Acute toxicity, Category 4 ; H332 Acute toxicity, Category 4 ; H312 Skin corrosion, Sub-category 1A ; H314 Serious eye damage, Category 1 ; H318 Specific target organ toxicity - single exposure, Category 3 ; H335 (Respiratory system) <b>Specific concentration limits:</b> C: >= 1 %, Specific target organ toxicity - single exposure, Category 3; H335	>= 5 - <= 5.4
Non-hazardous ingredients *			Balance

\* (Ingredients present at non-hazardous concentrations, according to criteria of SWAC (Australia) based on available information).

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### In case of inhalation

- Move to fresh air.
- Oxygen or artificial respiration if needed.
- Victim to lie down in the recovery position, cover and keep him warm.
- Call a physician immediately.

#### In case of skin contact

- Take off contaminated clothing and shoes immediately.
- Wash off immediately with plenty of water.
- Keep warm and in a quiet place.
- Call a physician or poison control centre immediately.
- Wash contaminated clothing before re-use.

#### In case of eye contact

- Call a physician or poison control centre immediately.
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine).
- Take victim immediately to hospital.

#### In case of ingestion

- Call a physician or poison control centre immediately.
- Take victim immediately to hospital.
- If swallowed, rinse mouth with water (only if the person is conscious).
- Do NOT induce vomiting.
- Artificial respiration and/or oxygen may be necessary.

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

#### In case of inhalation

##### Symptoms

- Breathing difficulties
- Cough
- Chemical pneumonitis
- pulmonary oedema

##### Effects

- Severe respiratory irritant

**Repeated or prolonged exposure**

- Nose bleeding
- Risk of chronic bronchitis

**In case of skin contact****Symptoms**

- Redness
- Swelling of tissue
- Burn

**Effects**

- Corrosive

**In case of eye contact****Symptoms**

- Redness
- Lachrymation
- Swelling of tissue
- Burn

**Effects**

- Corrosive
- May cause irreversible eye damage.

**In case of ingestion****Symptoms**

- Nausea
- Abdominal pain
- Bloody vomiting
- Diarrhoea
- Suffocation
- Cough
- Severe shortness of breath

**Effects**

- If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
- Risk of respiratory disorder

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to physician**

- Take victim immediately to hospital.
- Immediate medical attention is required.
- Consult with an ophthalmologist immediately in all cases.
- Burns must be treated by a physician.
- If swallowed
- Avoid gastric lavage (risk of perforation).
- Keep under medical supervision for at least 48 hours.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Water
- Water spray

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**Unsuitable extinguishing media**

- None

**5.2 Special hazards arising from the substance or mixture**

- May cause fire or explosion; strong oxidiser.
- Oxygen released in thermal decomposition may support combustion

**5.3 Advice for firefighters****Special protective equipment for firefighters**

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.
- Wear chemical resistant oversuit
- Cool containers/tanks with water spray.
- Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Hazchem Code 2P

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

- Evacuate personnel to safe areas.
- Keep people away from and upwind of spill/leak.

**Advice for emergency responders**

- Use personal protective equipment.
- Drying of this product on clothing or combustible materials may cause fire.
- Keep wetted with water.
- Prevent further leakage or spillage.
- Keep away from incompatible products

**6.2 Environmental precautions**

- Discharge into the environment must be avoided.
- Do not flush into surface water or sanitary sewer system.
- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.

**6.3 Methods and materials for containment and cleaning up**

- Dam up.
- Soak up with inert absorbent material.
- Do not let product enter drains.
- Keep in suitable, closed containers for disposal.
- Keep in properly labelled containers.

**6.4 Reference to other sections**

- Refer to protective measures listed in sections 7 and 8.

**Dangerous Goods - Emergency Response Guidebook (ERG) (AU ERG2018)**

Guide : 140

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

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- Use only in well-ventilated areas.
- Before all operations, passivate the piping circuits and vessels according to the procedure recommended by the producer.
- Use only clean and dry utensils.
- Never return unused material to storage receptacle.
- May not get in touch with:
  - Organic materials
  - Keep away from heat.
  - Keep away from incompatible products

**Hygiene measures**

- Ensure that eyewash stations and safety showers are close to the workstation location.
- Take off contaminated clothing and shoes immediately.
- Wash contaminated clothing before re-use.
- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

- Store in original container.
- Keep tightly closed in a dry, cool and well-ventilated place.
- Keep in properly labelled containers.
- Keep in a bunded area.
- Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
- Electrical equipment should be protected to the appropriate standard.
- Keep away from:
  - Incompatible products
  - OP Storage (Burning Rate) Type IV according to the BGV B4 test method

**Packaging material****Suitable material**

- Stainless steel cleaned and passivated.
- Approved grades of HDPE.

**7.3 Specific end use(s)**

- Contact your supplier for additional information

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Components with national occupational exposure limits**

Components	Value type	Value	Basis
Hydrogen peroxide	TWA	1 ppm 1.4 mg/m <sup>3</sup>	Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
Acetic acid	TWA	10 ppm 25 mg/m <sup>3</sup>	Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
Acetic acid	STEL	15 ppm 37 mg/m <sup>3</sup>	Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment

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**Components with other occupational exposure limits**

Components	Value type	Value	Basis
Hydrogen peroxide	TWA	1 ppm	USA. ACGIH Threshold Limit Values (TLV)
Acetic acid	TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)
Acetic acid	STEL	15 ppm	USA. ACGIH Threshold Limit Values (TLV)
Peroxyacetic acid	STEL	0.4 ppm	USA. ACGIH Threshold Limit Values (TLV)
Form of exposure : Inhalable fraction and vapor			

**8.2 Exposure controls****Control measures****Engineering measures**

- Provide adequate ventilation.
- Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures****Respiratory protection**

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Respirator with a vapour filter (EN 141)
- Recommended Filter type: ABEK-P2

**Hand protection**

- Impervious gloves
- Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

***Suitable material***

- butyl-rubber
- Break through time: > 480 min
- Glove thickness: >= 0.4 mm

**Eye protection**

- Chemical resistant goggles must be worn.
- If splashes are likely to occur, wear:
- Tightly fitting safety goggles.
- Face-shield

**Skin and body protection**

- Apron/boots of butyl rubber if risk of splashing.

**Hygiene measures**

- Ensure that eyewash stations and safety showers are close to the workstation location.
- Take off contaminated clothing and shoes immediately.
- Wash contaminated clothing before re-use.
- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

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**Environmental exposure controls**

- Dispose of rinse water in accordance with local and national regulations.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b><u>Physical state</u></b>	liquid
<b><u>Colour</u></b>	colourless
<b><u>Odour</u></b>	pungent
<b><u>Odour Threshold</u></b>	No data available
<b><u>Melting point/freezing point</u></b>	ca. -42 °C Method: Calculation method
<b><u>Initial boiling point and boiling range</u></b>	<u>Boiling point/boiling range</u> : ca. 105 °C Method: Calculation method
<b><u>Flammability (solid, gas)</u></b>	Not applicable
<b><u>Flammability (liquids)</u></b>	The product is not flammable., Heating may cause a fire.
<b><u>Flammability/Explosive limit</u></b>	No data available
<b><u>Flash point</u></b>	74 - 83 °C Method: closed cup
<b><u>Auto-ignition temperature</u></b>	No data available
<b><u>Decomposition temperature</u></b>	>= 60 °C Self-Accelerating decomposition temperature (SADT)
<b><u>pH</u></b>	< 2.0 <u>pKa</u> : 8.2 ( 25 °C)
<b><u>Viscosity</u></b>	No data available
<b><u>Solubility</u></b>	<u>Water solubility</u> : completely miscible  <u>Solubility in other solvents</u> : common organic solvents: soluble  Aromatic solvents: slightly soluble
<b><u>Partition coefficient: n-octanol/water</u></b>	log Pow: -1.25  Method: Calculation method log Pow: -0.52  Method: measured value
<b><u>Vapour pressure</u></b>	ca. 32 hPa ( 25 °C) Method: Calculation method
<b><u>Density</u></b>	No data available

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<b><u>Relative density</u></b>	1.1
<b><u>Relative vapor density</u></b>	No data available
<b><u>Particle characteristics</u></b>	No data available
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	No data available

**9.2 Other information**

<b><u>Explosiveness</u></b>	Not explosive
<b><u>Oxidizing properties</u></b>	The substance or mixture is classified as oxidizing with the category 2. Oxidizer
<b><u>Corrosion of Metals</u></b>	Corrosive to metals
<b><u>Molecular weight</u></b>	76 g/mol

**SECTION 10: Stability and reactivity****10.1 Reactivity**

- Decomposes on heating.
- Heating may cause a fire.
- Potential for exothermic hazard

**10.2 Chemical stability**

- Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

- Contact with combustible material may cause fire.
- Contact with flammables may cause fire or explosions.
- Risk of explosion if heated under confinement.
- Fire or intense heat may cause violent rupture of packages.

**10.4 Conditions to avoid**

- Contamination
- To avoid thermal decomposition, do not overheat.

**10.5 Incompatible materials**

- Acids
- Bases
- Metals
- Heavy metal salts
- Powdered metal salts
- Reducing agents
- Organic materials
- Flammable materials

**10.6 Hazardous decomposition products**

- Oxygen

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

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**Acute toxicity**

**Acute oral toxicity** LD50 : 652 mg/kg - Rat  
Test substance: 11,7 % PAA mixture

**Acute inhalation toxicity** LC50 - 4 h ( dust/mist ) 4 mg/l - Rat  
Test substance: 5 % PAA mixture

**Acute dermal toxicity** LD50 Dermal 1,957 mg/kg - Rabbit  
Test substance: 11,7 % PAA mixture

**Acute toxicity (other routes of administration)** No data available

**Skin corrosion/irritation** Rabbit  
Corrosive after 3 minutes to 1 hour of exposure

**Serious eye damage/eye irritation** Rabbit  
Causes serious eye damage.

**Respiratory or skin sensitisation**

hydrogen peroxide Does not cause skin sensitisation.

peracetic acid Maximisation Test - Guinea pig  
Not classified as sensitising by skin contact according to GHS criteria  
Method: OECD Test Guideline 406  
Unpublished reports

**Mutagenicity**

**Genotoxicity in vitro**  
hydrogen peroxide Ames test  
with and without metabolic activation

positive  
Published data

Chromosome aberration test in vitro  
with and without metabolic activation

positive  
Unpublished reports

acetic acid Ames test  
Strain: Salmonella typhimurium  
with metabolic activation

negative  
Method: OECD Test Guideline 471  
Published data

Chromosome aberration test in vitro  
Strain: CHO  
with and without metabolic activation

negative  
Method: OECD Test Guideline 473  
Published data

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peracetic acid	<p>Mutagenicity (Salmonella typhimurium - reverse mutation assay) with and without metabolic activation</p> <p>negative Method: according to a standardised method Unpublished reports</p> <p>Chromosome aberration test in vitro Strain: Human lymphocytes with and without metabolic activation</p> <p>negative Method: Mutagenicity (in vitro mammalian cytogenetic test) Unpublished reports</p> <p>Gene mutation assays in mammalian cells. Strain: Chinese hamster lung cells with and without metabolic activation</p> <p>negative Method: according to a standardised method Unpublished reports</p>
<b>Genotoxicity in vivo</b> hydrogen peroxide	<p>In vivo micronucleus test - Mouse Oral Method: OECD Test Guideline 474</p> <p>negative Unpublished reports</p>
peracetic acid	<p>In vivo micronucleus test - Mouse male and female Oral Method: Mutagenicity (micronucleus test)</p> <p>negative Unpublished reports</p>
<b><u>Carcinogenicity</u></b> hydrogen peroxide	No data available
<b><u>Toxicity for reproduction and development</u></b>	
<b>Toxicity to reproduction/Fertility</b> hydrogen peroxide	No toxicity to reproduction
peracetic acid	No toxicity to reproduction
<b>Developmental Toxicity/Teratogenicity</b> hydrogen peroxide	No toxicity to reproduction
acetic acid	<p>Rat, female, Oral Teratogenicity NOAEL:1,600mg/kg Method: according to a standardised method Published data</p>
peracetic acid	<p>Developmental Toxicity - Rat, male and female, Oral General Toxicity Maternal NOAEL: 12.5 mg/kg bw/day Developmental Toxicity NOAEL F1: 30.4 mg/kg bw/day Method: OECD Test Guideline 414 no teratogenic effects have been observed, Unpublished reports</p>

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**STOT****STOT - single exposure**

hydrogen peroxide

Exposure routes: Inhalation  
 Target Organs: Respiratory Tract  
 May cause respiratory irritation.

acetic acid

The substance or mixture is not classified as specific target organ toxicant, single exposure.

peracetic acid

Exposure routes: Inhalation  
 Target Organs: Respiratory Tract  
 The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation according to GHS criteria.

**STOT - repeated exposure**

hydrogen peroxide

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

acetic acid

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

peracetic acid

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

hydrogen peroxide

Inhalation (vapour) 90-day - Rat  
 NOAEC: 7 ppm  
 Target Organs: Respiratory Tract  
 Method: OECD Test Guideline 413  
 Unpublished reports

90-day - Rat  
 NOAEL: 100 ppm  
 Target Organs: Gastrointestinal tract  
 Method: OECD Test Guideline 408  
 drinking water  
 Unpublished reports

acetic acid

at high levels  
 Potential health effects  
 Published data

Oral 56 d - Rat  
 NOAEL: 290 mg/kg  
 in food

peracetic acid

Oral 90-day - Rat , male and female  
 NOAEL: 23.4 mg/kg  
 Method: OECD Test Guideline 408  
 Unpublished reports

**Experience with human exposure**

No data available

**CMR effects****Carcinogenicity**

acetic acid

No evidence of carcinogenicity in animal studies.

**Mutagenicity**

acetic acid

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

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**Aspiration toxicity**

acetic acid

Not applicable, Internal evaluation.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish**

hydrogen peroxide

LC50 - 96 h : 16.4 mg/l - Pimephales promelas (fathead minnow)  
 semi-static test  
 Analytical monitoring: yes

Method: according to a standardised method  
 Harmful to fish.  
 Unpublished internal reports

acetic acid

LC50 - 96 h : > 300 mg/l - Oncorhynchus mykiss (rainbow trout)  
 semi-static test  
 Analytical monitoring: no

Method: OECD Test Guideline 203  
 Not harmful to fish (LC/LL50 > 100 mg/L)  
 Unpublished reports

peracetic acid

LC50 - 96 h : 0.53 mg/l - Oncorhynchus mykiss (rainbow trout)  
 semi-static test  
 Analytical monitoring: no

Method: OECD Test Guideline 203  
 Very toxic to fish.  
 Unpublished reports

**Acute toxicity to daphnia and other aquatic invertebrates**

hydrogen peroxide

EC50 - 48 h : 2.4 mg/l - Daphnia pulex (Water flea)  
 semi-static test  
 Analytical monitoring: yes  
 Method: according to a standardised method  
 Toxic to aquatic invertebrates.  
 Unpublished internal reports

acetic acid

EC50 - 48 h : > 300 mg/l - Daphnia magna (Water flea)  
 semi-static test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 202  
 Not harmful to aquatic invertebrates. (EC/EL50 > 100 mg/L)  
 Unpublished reports

peracetic acid

EC50 - 48 h : 0.73 mg/l - Daphnia magna (Water flea)  
 static test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 202  
 Very toxic to aquatic invertebrates.  
 Unpublished reports

**Toxicity to aquatic plants**

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hydrogen peroxide	ErC50 - 72 h : 2.62 mg/l - <i>Skeletonema costatum</i> (marine diatom) static test Analytical monitoring: yes Method: according to a standardised method Toxic to algae. Unpublished internal reports
acetic acid	ErC50 - 72 h : > 300 mg/l - <i>Skeletonema costatum</i> (marine diatom) static test Analytical monitoring: no Method: OECD Test Guideline 201 Not harmful to algae (EC/EL50 > 100 mg/L) Unpublished reports
	ErC10 - 72 h : 300 mg/l - <i>Skeletonema costatum</i> (marine diatom) static test Analytical monitoring: yes End point: Growth rate Method: OECD Test Guideline 201 No adverse chronic effect observed up to and including the threshold of 1 mg/L. Unpublished reports
peracetic acid	ErC50 - 72 h : 0.16 mg/l - <i>Pseudokirchneriella subcapitata</i> (green algae) static test Analytical monitoring: yes End point: Growth rate Method: according to a standardised method Very toxic to algae. Unpublished reports
	NOErC - 72 h : 0.061 mg/l - <i>Pseudokirchneriella subcapitata</i> (green algae) static test Analytical monitoring: yes End point: Growth rate Method: according to a standardised method Very toxic to algae with long lasting effects. Unpublished reports
<b>Toxicity to microorganisms</b>	
hydrogen peroxide	EC50 - 0.5 h : 466 mg/l - activated sludge static test Analytical monitoring: yes Method: OECD Test Guideline 209 Unpublished internal reports
acetic acid	static test
	NOEC - 16 h : 1,150 mg/l - <i>Pseudomonas putida</i> semi-static test Analytical monitoring: no Published data
peracetic acid	EC50 - 3 h : 5.1 mg/l - activated sludge static test Analytical monitoring: yes End point: Respiration inhibition Method: OECD Test Guideline 209 Unpublished reports
<b>Chronic toxicity to fish</b>	

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peracetic acid  
 NOEC: 0.00094 mg/l - 33 Days - Danio rerio (zebra fish)  
 flow-through test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 210  
 Very toxic to fish life with long lasting effects.  
 Unpublished reports

**Chronic toxicity to daphnia and other aquatic invertebrates**

hydrogen peroxide  
 NOEC: 0.63 mg/l - 21 Days - Daphnia magna (Water flea)  
 flow-through test  
 Analytical monitoring: yes  
 Method: according to a standardised method  
 Harmful to aquatic invertebrates with long lasting effects.  
 Published data

peracetic acid  
 NOEC: 0.0121 mg/l - 21 Days - Daphnia magna (Water flea)  
 semi-static test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 211  
 Very toxic to aquatic invertebrates with long lasting effects.  
 Unpublished reports

**Terrestrial Compartment****Toxicity to soil dwelling organisms**

peracetic acid  
 LC50: > 1,000 mg/kg - 14 d - Eisenia fetida (earthworms)  
 End point: mortality  
 Method: OECD Test Guideline 207  
 Unpublished reports

**Toxicity to terrestrial plants**

peracetic acid  
 EC50: 320 mg/kg - Brassica napus  
 Test period: 21 d  
 Method: OECD Test Guideline 208  
 Unpublished reports

**M-Factor**

peracetic acid  
 Acute aquatic toxicity = 1  
 Chronic aquatic toxicity = 10  
 ( according to the Globally Harmonized System (GHS) )

**12.2 Persistence and degradability****Abiotic degradation****Stability in water**

peracetic acid  
 DT50:  
 Hydrolysis  
 pH: 7.0  
 Temperature of hydrolysis: 25 °C  
 Degree of hydrolysis: 48 %  
 Hydrolysis time: 31.7 h  
 Method: according to a standardised method  
 Unpublished reports

**Physical- and photo-chemical elimination**

No data available

**Biodegradation****Biodegradability**

hydrogen peroxide  
 Ready biodegradability study:  
 Method: Degradation in sewage treatment plants

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	The substance fulfills the criteria for ultimate aerobic biodegradability and ready biodegradability Inoculum: activated sludge Unpublished internal reports
acetic acid	Ready biodegradability study: 96 % - 20 Days The substance fulfills the criteria for ultimate aerobic biodegradability and ready biodegradability Inoculum: activated sludge Published data
peracetic acid	Ready biodegradability study: Method: OECD Test Guideline 301F 98 % - 28 d The substance fulfills the criteria for ultimate aerobic biodegradability and ready biodegradability Dissolved organic carbon (DOC) Inoculum: Sewage effluent Unpublished reports

**Degradability assessment**

hydrogen peroxide	The product is considered to be rapidly degradable in the environment
acetic acid	The product is considered to be rapidly degradable in the environment
peracetic acid	The product is considered to be rapidly degradable in the environment

**12.3 Bioaccumulative potential****Partition coefficient: n-octanol/water**

hydrogen peroxide	Not potentially bioaccumulable
acetic acid	Not potentially bioaccumulable
peracetic acid	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

**Bioconcentration factor (BCF)**

hydrogen peroxide	Not potentially bioaccumulable
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**12.4 Mobility in soil****Adsorption potential (Koc)**

hydrogen peroxide	Adsorption/Soil Koc: 1.58 Log Koc: 0.2 Method: Structure-activity relationship (SAR) Unpublished reports
peracetic acid	Adsorption/Soil Koc: 1.46 Method: Structure-activity relationship (SAR) Mobile in soils Unpublished reports

**Known distribution to environmental compartments**

hydrogen peroxide	Ultimate destination of the product : Water
peracetic acid	Ultimate destination of the product : Water Content: 99.95 %

Air

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Content: 0.01 %

Sediment  
Content: 0.04 %Soil  
Content: 0 %**12.5 Results of PBT and vPvB assessment**

hydrogen peroxide	Not persistent, bioaccumulative, and toxic (PBT). Not very persistent and very bioaccumulative (vPvB).
acetic acid	Not persistent, bioaccumulative, and toxic (PBT). Not very persistent and very bioaccumulative (vPvB).
peracetic acid	Not persistent, bioaccumulative, and toxic (PBT). Not very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects****Ecotoxicity assessment**

<b>Short-term (acute) aquatic hazard</b>	According to the available data on the components Toxic to aquatic life. According to the classification criteria for mixtures. Unpublished reports Published data
<b>Long-term (chronic) aquatic hazard</b>	According to the available data on the components Very toxic to aquatic life with long lasting effects. According to the classification criteria for mixtures. Unpublished reports Published data

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- Contact manufacturer.
- Contact waste disposal services.
- In accordance with local and national regulations.

**Advice on cleaning and disposal of packaging**

- Empty containers.
- Clean container with water.
- Dispose of rinse water in accordance with local and national regulations.
- Where possible recycling is preferred to disposal or incineration.
- In accordance with local and national regulations.

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**SECTION 14: Transport information****Road and Rail transport – ADG (Australia)**

<b>14.1 UN number</b>	UN 3149
<b>14.2 Proper shipping name</b>	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
<b>14.3 Transport hazard class</b>	5.1
Subsidiary hazard class	8
Label(s)	5.1 (8)
<b>14.4 Packing group</b>	
Packing group	II
Hazchem Code	2P
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	
<b>14.6 Special precautions for user</b>	
For personal protection, see section 8.	

**IMDG**

<b>14.1 UN number</b>	UN 3149
<b>14.2 Proper shipping name</b>	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
<b>14.3 Transport hazard class</b>	5.1
Subsidiary hazard class	8
Label(s)	5.1 (8)
<b>14.4 Packing group</b>	
Packing group	II
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	
<b>14.6 Special precautions for user</b>	
EmS	F-H , S-Q

For personal protection, see section 8.

**14.7 Transport in bulk vessels according to IMO instruments**

No data available

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**IATA**

<b>14.1 UN number</b>	UN 3149
<b>14.2 Proper shipping name</b>	Hydrogen peroxide and peroxyacetic acid mixture stabilized
<b>14.3 Transport hazard class</b>	5.1
Subsidiary hazard class	8
Label(s)	5.1 (8)
<b>14.4 Packing group</b>	
Packing group	II
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	
<b>14.6 Special precautions for user</b>	
Packing instruction (cargo aircraft)	554
Max net qty/pkg	5.00 L
Packing instruction (passenger aircraft)	550
Max net qty/pkg	1.00 L

For personal protection, see section 8.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Poison Schedule (SUSMP Australia)**

- Schedule 6: Poison
- Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical.

**Notification status**

<b>Inventory Information</b>	<b>Status</b>
United States TSCA Inventory	- All substances listed as active on the TSCA inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australian Inventory of Industrial Chemicals (AIIC)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
Taiwan Chemical Substance Inventory (TCSI)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- All components are listed on the NZIoC inventory. Additional HSNO obligations may apply. Please refer to Section 15 of SDS for New Zealand.

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EU. European Registration, Evaluation, Authorization and Restriction of Chemical (REACH)

- When purchased from a Solvay legal entity based in the EEA ("European Economic Area"), this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of the EEA, please contact your local representative for additional information.

## SECTION 16: Other information

### Full text of H-Statements

- H226: Flammable liquid and vapour.
- H227: Combustible liquid.
- H242: Heating may cause a fire.
- H271: May cause fire or explosion; strong oxidiser.
- H272: May intensify fire; oxidizer.
- H290: May be corrosive to metals.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H401: Toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

### Key or legend to abbreviations and acronyms used in the safety data sheet

- STEL: Exposure standard - short term exposure limit
- TWA: Exposure standard - time weighted average
- ca.: approximately
- ADR: European Agreement on International Carriage of Dangerous Goods by Road.
- ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.
- RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
- IATA: International Air Transport Association.
- ICAO-TI: Technical Instructions for Safe Transport of Dangerous Goods by Air.
- IMDG: International Maritime Dangerous Goods.
- TWA: Time weighted average
- ATE: Estimated value of acute toxicity
- EC: European Community number
- CAS: Chemical Abstracts Service.
- LD50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).
- LC50: Substance concentration causing 50% (half) death in the test animals group.
- EC50: Effective Concentration of the substance causing the maximum of 50%.
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.
- GHS/CLP/SEA: Classification, labeling, packaging regulation
- DNEL: Derived No Effect Level
- PNEC: Predicted No Effect Concentration
- STOT: Specific Target Organ Toxicity

**Not all acronyms listed above are referenced in this SDS.**

### Further information

- Distribute new edition to clients

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.