



## OXIVIR FIVE 16

Revision: 2018-02-02

Version: 01.1

### SECTION 1: Identification of the substance/mixture and supplier

#### 1.1 Product identifier

Product name: OXIVIR FIVE 16

#### 1.2 Recommended use and restrictions on use

##### Identified uses:

Hospital grade disinfectant

##### Restrictions of use:

Uses other than those identified are not recommended

#### 1.3 Details of the supplier

Diversey Australia Pty. Limited  
29 Chifley St, Smithfield, NSW, 2164, Australia  
Telephone: 1800 647 779 (toll free)  
Fax: (02) 9725 5767  
Email: aucustserv@diversey.com  
Website: www.diversey.com/

#### 1.4 Emergency telephone number

Call 1800 033 111 (24hrs)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not classified as hazardous

#### 2.2 Label elements

Not applicable.

#### 2.3 Other hazards

No other hazards known.

#### 2.4 Classification diluted product:

Recommended maximum concentration (%): 5.9

Not classified as hazardous

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances / Mixtures

Ingredient(s)	CAS number	EC number	Weight percent
1-propoxypropan-2-ol	1569-01-3	216-372-4	3-10
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	271-528-9	3-10
Alcohols, C6-12, ethoxylated	68439-45-2	932-770-7	3-10
hydrogen peroxide	7722-84-1	231-765-0	3-10
phosphoric acid	7664-38-2	231-633-2	3-10

Non-hazardous ingredients are the remainder and add up to 100%.

\* Polymer.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### Inhalation:

Get medical attention or advice if you feel unwell.

##### Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

##### Eye contact:

Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical

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**Ingestion:** attention.  
**Self-protection of first aider:** Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.  
 Consider personal protective equipment as indicated in subsection 8.2.

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

**Inhalation:** No known effects or symptoms in normal use.  
**Skin contact:** No known effects or symptoms in normal use.  
**Eye contact:** No known effects or symptoms in normal use.  
**Ingestion:** No known effects or symptoms in normal use.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

**Poison Information Center:** Call 13 11 26 (Australia Wide).

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

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

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

No special hazards known.

**5.3 Advice for firefighters**

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**5.4 Hazchem code**

*None allocated*

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

No special measures required.

**6.2 Environmental precautions**

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

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

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

**6.4 Reference to other sections**

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local and national regulations. Keep only in original packaging.  
 For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Ingredient(s)	Long term value(s) (TWA)	Short term value(s) (STEL)	Peak value(s)

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hydrogen peroxide	1 ppm 1.4 mg/m <sup>3</sup>		
phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	

Biological limit values, if available:

## 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:  
Covering activities such as filling and transfer of product to application equipment, flasks or buckets

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

### Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

**Hand protection:** No special requirements under normal use conditions.

**Body protection:** No special requirements under normal use conditions.

**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (%):** 5.9

**Appropriate engineering controls:** No special requirements under normal use conditions.

**Appropriate organisational controls:** No special requirements under normal use conditions.

### Personal protective equipment

**Eye / face protection:** No special requirements under normal use conditions.

**Hand protection:** No special requirements under normal use conditions.

**Body protection:** No special requirements under normal use conditions.

**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical State:** Liquid

**Colour:** Clear, Colourless

**Odour:** Product specific

**Odour threshold:** Not applicable

**pH:** ≈ 0.8 (neat)

**Dilution pH:** ≈ 2 (1%)

**Melting point/freezing point (°C):** Not determined

**Initial boiling point and boiling range (°C):** Not determined

**Flash point (°C):** > 93.4

**Sustained combustion:** Not applicable.

( UN Manual of Tests and Criteria, section 32, L.2 )

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability limit (%):** Not determined

**Vapour pressure:** Not determined

**Vapour density:** Not determined

**Relative density:** ≈ 1.036 (20 °C)

**Solubility in / Miscibility with Water:** Fully miscible

**Partition coefficient: n-octanol/water** No information available.

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**Viscosity:** Not determined

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising

#### Method / remark

Not relevant to classification of this product

closed cup

**9.2 Other information**

Surface tension (N/m): Not determined

Corrosion to metals: Not corrosive

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

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

Reacts with alkali.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

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

Mixture data:.

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): &gt;2000

ATE - Dermal (mg/kg): &gt;2000

ATE - Inhalatory, vapours (mg/l): &gt;20

**Skin irritation and corrosivity****Result:** Not corrosive or irritant **Method:** Bridging**Eye irritation and corrosivity****Result:** Not corrosive or irritant **Method:** Bridging

Substance data, where relevant and available, are listed below:.

**Acute toxicity**

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	LD <sub>50</sub>	> 2000	Rat	Method not given	
Benzenesulfonic acid, C10-16-alkyl derivatives	LD <sub>50</sub>	> 5000	Rat	OECD 401 (EU B.1)	
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide	LD <sub>50</sub>	431-500	Rat	Substance was tested as 35 % aqueous solution Method not given	
phosphoric acid	LD <sub>50</sub>	2600	Rat	OECD 423 (EU B.1 tris)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	LD <sub>50</sub>	> 2000	Rabbit	Method not given	
Benzenesulfonic acid, C10-16-alkyl derivatives	LD <sub>50</sub>	> 2000	Rabbit	OECD 402 (EU B.3)	24 hours
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide	LD <sub>50</sub>	> 2000	Rabbit	Substance was tested as 35 % aqueous solution	
phosphoric acid	LD <sub>50</sub>	2740	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	LC <sub>50</sub>	8.34	Rat	Method not given	4
Benzenesulfonic acid, C10-16-alkyl derivatives	LC <sub>50</sub>	> 1.9	Rat	OECD 403 (EU B.2)	4 hours
Alcohols, C6-12, ethoxylated		No data			

		available			
hydrogen peroxide	LC <sub>0</sub>	No mortality observed	Rat	Method not given	4
phosphoric acid	LC <sub>50</sub>	850	Rat	Method not given	2

**Irritation and corrosivity**

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
1-propoxypropan-2-ol	No data available			
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available			
Alcohols, C6-12, ethoxylated	No data available			
hydrogen peroxide	Corrosive	Rabbit	Method not given	
phosphoric acid	Corrosive	Rabbit	OECD 404 (EU B.4)	

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
1-propoxypropan-2-ol	No data available			
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available			
Alcohols, C6-12, ethoxylated	No data available			
hydrogen peroxide	Corrosive	Rabbit	Method not given	
phosphoric acid	Severe damage	Rabbit	Method not given	

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
1-propoxypropan-2-ol	No data available			
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available			
Alcohols, C6-12, ethoxylated	No data available			
hydrogen peroxide	Irritating to respiratory tract		Method not given	
phosphoric acid	No data available			

**Sensitisation**

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	Not sensitising	Mouse	Method not given	
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available			
Alcohols, C6-12, ethoxylated	No data available			
hydrogen peroxide	Not sensitising	Guinea pig	Method not given	
phosphoric acid	Not sensitising	Human	Human experience	

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
1-propoxypropan-2-ol	No data available			
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available			
Alcohols, C6-12, ethoxylated	No data available			
hydrogen peroxide	No data available			
phosphoric acid	No data available			

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
1-propoxypropan-2-ol	No evidence of genotoxicity, negative test results	Method not given	No data available	
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available		No data available	
Alcohols, C6-12, ethoxylated	No data available		No data available	
hydrogen peroxide	No evidence for mutagenicity	OECD 471 (EU B.12/13)	No evidence of genotoxicity, negative test results	Method not given
phosphoric acid	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma)	No data available	

## Carcinogenicity

Ingredient(s)	Effect
1-propoxypropan-2-ol	No data available
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available
Alcohols, C6-12, ethoxylated	No data available
hydrogen peroxide	No evidence for carcinogenicity, negative test results
phosphoric acid	No data available

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## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
1-propoxypropan-2-ol			No data available				No evidence for reproductive toxicity
Benzenesulfonic acid, C10-16-alkyl derivatives			No data available				
Alcohols, C6-12, ethoxylated			No data available				
hydrogen peroxide			No data available				No evidence for reproductive toxicity
phosphoric acid	NOAEL	Developmental toxicity	410	Rat	OECD 422, oral	10 day(s)	No evidence for reproductive toxicity No evidence for developmental toxicity

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
1-propoxypropan-2-ol		No data available				
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available				
Alcohols, C6-12, ethoxylated		No data available				
hydrogen peroxide	NOAEL	100	Mouse	Method not given	90	
phosphoric acid	NOAEL	250	Rat	OECD 422, oral		

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
1-propoxypropan-2-ol		No data available				
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available				
Alcohols, C6-12, ethoxylated		No data available				
hydrogen peroxide		No data available				
phosphoric acid		No data available				

## Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
1-propoxypropan-2-ol		No data available				
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available				
Alcohols, C6-12, ethoxylated		No data available				
hydrogen peroxide	NOAEL	No data available	Mouse	Method not given	28	
phosphoric acid		No data available				

## Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
1-propoxypropan-2-ol			No data available					
Benzenesulfonic acid, C10-16-alkyl derivatives			No data available					
Alcohols, C6-12, ethoxylated			No data available					
hydrogen peroxide			No data available					
phosphoric acid			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
1-propoxypropan-2-ol	No data available
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available
Alcohols, C6-12, ethoxylated	No data available
hydrogen peroxide	No data available

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phosphoric acid	No data available
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## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
1-propoxypropan-2-ol	No data available
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available
Alcohols, C6-12, ethoxylated	No data available
hydrogen peroxide	No data available
phosphoric acid	No data available

**Aspiration hazard**

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**SECTION 12: Ecological information****12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	LC <sub>50</sub>	> 100	<i>Oncorhynchus mykiss</i>	Method not given	96
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available			
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide	LC <sub>50</sub>	16.4	<i>Pimephales promelas</i>	Method not given	96
phosphoric acid	LC <sub>50</sub>	138	<i>Gambusia affinis</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	EC <sub>50</sub>	> 100	<i>Daphnia magna</i> Straus	Method not given	48
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available			
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide	EC <sub>50</sub>	2.4	<i>Daphnia pulex</i>	Method not given	48
phosphoric acid	EC <sub>50</sub>	> 100	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
1-propoxypropan-2-ol	E <sub>r</sub> C <sub>50</sub>	1466	<i>Pseudokirchneriella subcapitata</i>	Method not given	96
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available			
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide	EC <sub>50</sub>	2.5	<i>Chlorella vulgaris</i>	OECD 201 (EU C.3)	72
phosphoric acid	EC <sub>50</sub>	> 100	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
1-propoxypropan-2-ol		No data available			-
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available			
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide		No data			-

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		available			
phosphoric acid		No data available			-

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
1-propoxypropan-2-ol	EC <sub>50</sub>	3800	<i>Bacteria</i>	Method not given	16 hour(s)
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available			
Alcohols, C6-12, ethoxylated		No data available			
hydrogen peroxide	EC <sub>50</sub>	466	<i>Activated sludge</i>	Method not given	
phosphoric acid	EC <sub>50</sub>	270	<i>Activated sludge</i>	Method not given	

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
1-propoxypropan-2-ol		No data available				
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available				
Alcohols, C6-12, ethoxylated		No data available				
hydrogen peroxide	NOEC	4.3	<i>Pimephales promelas</i>	Method not given	96 hour(s)	
phosphoric acid		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
1-propoxypropan-2-ol		No data available				
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available				
Alcohols, C6-12, ethoxylated		No data available				
hydrogen peroxide	NOEC	1	<i>Daphnia pulex</i>	Method not given	48 hour(s)	
phosphoric acid		No data available				

## Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
1-propoxypropan-2-ol		No data available			-	
Benzenesulfonic acid, C10-16-alkyl derivatives		No data available				
Alcohols, C6-12, ethoxylated		No data available				
hydrogen peroxide		No data available			-	
phosphoric acid		No data available			-	

## Terrestrial toxicity

## Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-propoxypropan-2-ol		No data available			-	
hydrogen peroxide		No data available			-	
phosphoric acid		No data available			-	

## Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-propoxypropan-2-ol		No data available			-	
hydrogen peroxide		No data available			-	



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phosphoric acid		No data available			-	
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Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
1-propoxypropan-2-ol		No data available			-	
hydrogen peroxide		No data available			-	
phosphoric acid		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-propoxypropan-2-ol		No data available			-	
hydrogen peroxide		No data available			-	
phosphoric acid		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-propoxypropan-2-ol		No data available			-	
hydrogen peroxide		No data available			-	
phosphoric acid		No data available			-	

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
hydrogen peroxide	24 hour(s)	Method not given	OH radical	

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
1-propoxypropan-2-ol		Oxygen depletion	91.5 % in 28 day(s)	OECD 301A	Readily biodegradable
Benzenesulfonic acid, C10-16-alkyl derivatives	Activated sludge, aerobe	COD removal		OECD 301B	Readily biodegradable
Alcohols, C6-12, ethoxylated				Weight of evidence	Not readily biodegradable.
hydrogen peroxide	Activated sludge, aerobe	Specific analysis (primary degradation)	> 50 % in < 1 day(s)		Not applicable (inorganic substance)
phosphoric acid					Not applicable (inorganic substance)

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
1-propoxypropan-2-ol	0.621	Method not given	Low potential for bioaccumulation	
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available			
Alcohols, C6-12, ethoxylated	No data available			
hydrogen peroxide	-1.57		No bioaccumulation expected	
phosphoric acid	No data available		No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
1-propoxypropan-2-ol	< 100				

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Benzenesulfonic acid, C10-16-alkyl derivatives	No data available				
Alcohols, C6-12, ethoxylated	No data available				
hydrogen peroxide	No data available				
phosphoric acid	No data available			No bioaccumulation expected	

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
1-propoxypropan-2-ol	1-1.9		Method not given		High potential for mobility in soil
Benzenesulfonic acid, C10-16-alkyl derivatives	No data available				
Alcohols, C6-12, ethoxylated	No data available				
hydrogen peroxide	2				Mobile in soil
phosphoric acid	No data available				Potential for mobility in soil, soluble in water

**12.5 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****ADG, IMO/IMDG, ICAO/IATA****14.1 UN number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Non-dangerous goods**Hazchem code:** None allocated**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.

**Poison schedule**

Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classification**

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.

**Inventory listing(s)**

AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, or are exempt.

**SECTION 16: Other information**

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

**SDS code:** MS31000704**Version:** 01.1**Revision:** 2018-02-02**Additional information:**

**Acids:** When mixing acids with water (diluting), caution must be taken as heat will be generated which causes violent spattering. Always add a small volume of acid to a large volume of water, NEVER the reverse.

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**Respirators:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**Work practices - solvents:** Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

**Exposure standards - Time Weighted Average (TWA) or Workplace Exposure Standard (WES) (NZ):** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**Personal protective equipment guidelines:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Health effects from exposure:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Safety Data Sheet which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations and acronyms:**

- ATE - Acute Toxicity Estimate
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LD50 - Lethal Dose, 50% / Median Lethal dose
- STOT-RE - Specific target organ toxicity (repeated exposure)
- STOT-SE - Specific target organ toxicity (single exposure)
- EC No. - European Community Number

**End of Safety Data Sheet**