



## SOFT CARE DELUXE 2in1

Revision: 2023-04-25

Version: 03.0

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

#### 1.1 Product identifier

**Product name:** SOFT CARE DELUXE 2in1

#### 1.2 Recommended use and restrictions on use

**Identified uses:**

Shampoo and shower gel

**Restrictions of use:**

Uses other than those identified are not recommended

#### 1.3 Details of the supplier

Diversey Australia Pty. Limited

Unit 8, 55 Newton Road, Wetherill Park, NSW, 2164

1-7 Bell Grove, Braeside, VIC 3195

Telephone: 1800 647 779 (toll free)

Email: aucustserv@diverse.com

Website: diversey.com.au

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)

Call 1800 033 111 (24hrs)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Serious eye damage, Category 1

#### 2.2 Label elements

This product is exempted from labelling requirements.

**Signal word:** Danger

**Hazard statements:**

H318 - Causes serious eye damage.

**Prevention statement(s):**

P262 - Do not get in eyes.

**Response statement(s):**

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 CENTRE, doctor or physician.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances / Mixtures

Ingredient(s)	CAS#	EC number	Weight percent
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	68891-38-3	500-234-8	3-10
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	97862-59-4	931-296-8 , 931-333-8	3-10
alkyl polyglucoside	141464-42-8	604-232-9	1-3

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

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Get medical attention or advice if you feel unwell.
<b>Skin contact:</b>	If skin irritation occurs: Get medical advice or attention.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.
<b>Ingestion:</b>	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
<b>Self-protection of first aider:</b>	Consider personal protective equipment as indicated in subsection 8.2.
<b>First aid facilities:</b>	Eyewash facilities should be considered in a workplace where necessary.

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

<b>Inhalation:</b>	No known effects or symptoms in normal use.
<b>Skin contact:</b>	No known effects or symptoms in normal use.
<b>Eye contact:</b>	No known effects or symptoms in normal use.
<b>Ingestion:</b>	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

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

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

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

### 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. Wash hands before breaks and at the end of workday. Avoid contact with eyes. See chapter 8.2, Exposure controls / Personal protection.

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

Store in accordance with local and national regulations. Keep only in original packaging.

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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)
glycerol	10 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:*

**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:** Not applicable.

**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:** Opaque , White

**Odour:** Product specific

**Odour threshold:** Not applicable

**pH:** ≈ 4.9 (neat)

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

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

#### Method / remark

ISO 4316

Not relevant to classification of this product

**Flammability (liquid):** Not flammable.

**Flash point (°C):** Not applicable.

**Sustained combustion:** Not applicable.

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

**Evaporation rate:** Not determined

Not relevant to classification of this product

**Flammability (solid, gas):** Not applicable to liquids

**Lower and upper explosion limit/flammability limit (%):** Not determined

**Vapour pressure:** Not determined

**Relative vapour density** No data available

Not relevant to classification of this product

**Relative density:** ≈ 1.04 (20 °C)

OECD 109 (EU A.3)

**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:** ≈ 4000 mPa.s (20 °C)

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising.

**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**

None known under normal use conditions.

**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

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)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	LD <sub>50</sub>	2870	Rat	OECD 401 (EU B.1)	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	LD <sub>50</sub>	2335	Rat	Method not given	
glycerol	LD <sub>50</sub>	12600	Mouse	Method not given	
alkyl polyglucoside		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	LD <sub>50</sub>	> 2000			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available			
glycerol	LD <sub>50</sub>	> 10000	Rabbit	Method not given	
alkyl polyglucoside		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	LC <sub>50</sub>	5.71			4
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available			
glycerol		> 2.75	Rat	Weight of evidence	4 Hrs.
alkyl polyglucoside		No data available			

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**Irritation and corrosivity**

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	Irritant	Rabbit	OECD 404 (EU B.4)	24 hour(s)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	Mild irritant	Rabbit	OECD 404 (EU B.4)	
glycerol	Not irritant		OECD 404 (EU B.4)	
alkyl polyglucoside	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	Severe damage	Rabbit	OECD 405 (EU B.5)	72 hour(s)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	Severe damage	Rabbit	OECD 405 (EU B.5)	
glycerol	Not corrosive or irritant		Method not given	
alkyl polyglucoside	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available			
glycerol	No data available			
alkyl polyglucoside	No data available			

**Sensitisation**

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	Not sensitising	Guinea pig		
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
glycerol	Not sensitising	Human	Human repeated patch test	
alkyl polyglucoside	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available			
glycerol	No data available			
alkyl polyglucoside	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)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available		No data available	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available		No data available	
glycerol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
alkyl polyglucoside	No data available		No data available	

## Carcinogenicity

Ingredient(s)	Effect
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available
glycerol	No evidence for carcinogenicity, negative test results
alkyl polyglucoside	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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts			No data available				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts			No data available				
glycerol			No data available				Not toxic for reproduction
alkyl polyglucoside			No data available				

## 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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available				
glycerol		No data available				
alkyl polyglucoside		No data available				

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available				
glycerol		No data available				
alkyl polyglucoside		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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available				
glycerol		No data available				
alkyl polyglucoside		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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts			No data available					
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts			No data available					
glycerol			No data					

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			available				
alkyl polyglucoside			No data available				

## STOT-single exposure

Ingredient(s)	Affected organ(s)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available
glycerol	No data available
alkyl polyglucoside	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available
glycerol	No data available
alkyl polyglucoside	No data available

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

## 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)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	LC <sub>50</sub>	7.1	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	LC <sub>50</sub>	1.11	<i>Pimephales promelas</i>	OECD 203, semi-static	96
glycerol	LC <sub>50</sub>	54000	<i>Oncorhynchus mykiss</i>	Method not given	96
alkyl polyglucoside		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	EC <sub>50</sub>	7.4	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	EC <sub>50</sub>	1.9	<i>Daphnia magna Straus</i>	OECD 202, static	48
glycerol	EC <sub>50</sub>	> 10000	<i>Daphnia magna Straus</i>	Method not given	24
alkyl polyglucoside		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	EC <sub>50</sub>	27		OECD 201 (EU C.3)	72
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	E <sub>r</sub> C <sub>50</sub>	2.4	<i>Desmodesmus subspicatus</i>	Weight of evidence	72
glycerol		2900			
alkyl polyglucoside		No data available			

Aquatic short-term toxicity - marine species

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Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available			
glycerol		No data available			
alkyl polyglucoside		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts		No data available			
glycerol	EC <sub>50</sub>	> 10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
alkyl polyglucoside		No data available			

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	NOEC	1	<i>Pimephales promelas</i>	OECD 203	45 day(s)	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	NOEC	0.135	<i>Oncorhynchus mykiss</i>	OECD 210	37 day(s)	
glycerol		No data available				
alkyl polyglucoside		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	NOEC	0.27	<i>Daphnia magna</i>	OECD 211	21 day(s)	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	NOEC	0.3	<i>Daphnia magna</i>	OECD 211, semi-static	21 day(s)	
glycerol		No data available				
alkyl polyglucoside		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-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	NOEC	≥ 846		Method not given	14	

## Terrestrial toxicity

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

## Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	NOEC	84.6	<i>Triticum aestivum</i> <i>Lepidium sativum</i> <i>Brassica alba</i>	OECD 208	17	

## Terrestrial toxicity - birds, if available:

## Terrestrial toxicity - beneficial insects, if available:

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Terrestrial toxicity - soil bacteria, if available:

### 12.2 Persistence and degradability

#### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	Activated sludge, aerobe	Oxygen depletion	77-79 % in 28 day(s)	OECD 301D	Readily biodegradable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	Activated sludge, aerobe	CO <sub>2</sub> production	91.6 % in 28 day(s)	OECD 301B	Readily biodegradable
glycerol			60% in 28 day(s)	Method not given	Readily biodegradable
alkyl polyglucoside					Readily biodegradable, without 10 day window

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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	No data available			
glycerol	-1.76	Method not given	No bioaccumulation expected	
alkyl polyglucoside	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	71		Method not given		
glycerol	No data available				
alkyl polyglucoside	No data available				

### 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
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivatives, hydroxides, inner salts	2.0-5.1		Method not given		
glycerol	No data available				Potential for mobility in soil, soluble in water
alkyl polyglucoside	No data available				

### 12.5 Other adverse effects

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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:**  
**Suitable cleaning agents:**

Dispose of observing national or local regulations.  
 Water, if necessary with cleaning agent.

### SECTION 14: Transport information

**ADG, IMO/IMDG, ICAO/IATA**

- 14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments:** Non-dangerous goods

**Other relevant information:**  
**Hazchem code:** None allocated

### SECTION 15: Regulatory information

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

<b>National regulations</b>	Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.
<b>Poison schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
<b>Classification</b>	Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.
<b>Inventory listing(s)</b>	Australian Inventory of Industrial Chemicals: All components are listed on the inventory, 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:** MS31001078

**Version:** 03.0

**Revision:** 2023-04-25

**Additional information:**

**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

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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
- AUH - Non GHS hazard statement
- DNEL - Derived No Effect Limit
- EC No. - European Community Number
- EC50 - effective concentration, 50%
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PNEC - Predicted No Effect Concentration
- STOT-RE - Specific target organ toxicity (repeated exposure)
- STOT-SE - Specific target organ toxicity (single exposure)

**End of Safety Data Sheet**