



# Safety Data Sheet

According to Regulation (EC) No 1907/2006

## Carefree Eternum

Revision: 2014-02-06

Version: 02

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

#### 1.1 Product identifier

Trade name: Carefree Eternum

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

##### Identified uses:

For professional use only.

AISE-P406 - Polish/Impregnating agent. Manual process

Uses advised against: Uses other than those identified are not recommended

#### 1.3 Details of the supplier of the safety data sheet

Diversey Ltd

#### Contact details

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: MSDSinfoUK@sealedair.com

#### 1.4 Emergency telephone number

For medical or environmental emergency only:

call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product does not meet the criteria for classification in accordance with Directive 1999/45/EC and corresponding national legislation.

#### 2.2 Label elements

##### Safety phrases:

S51 - Use only in well-ventilated areas.

##### Further indications on the label:

Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.

Safety data sheet available for professional user on request.

#### 2.3 Other hazards

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (EC) 1272/2008	Notes	Weight percent
water, distilled, conductivity or of similar purity	231-791-2	7732-18-5	[2]	-	-		50-75
methyl methacrylate, 2-ethylhexyl acrylate polymer	Polymer*	25265-15-0	[4]	-	-		3-10
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	Polymer*	82539-93-3	[4]	-	-		3-10
2-(2-ethoxyethoxy)ethanol	203-919-7	111-90-0	01-2119475105-42	-	-		3-10
(2-methoxymethylethoxy)propanol	252-104-2	34590-94-8	01-2119450011-60	-	-		3-10

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acrylic / styrene copolymer, ammonium salt	Polymer*	-	[4]	-	-	1-3
acrylic copolymer	Polymer*	-	[4]	-	-	1-3
tetraamminezinc(2+) carbonate	254-099-2	38714-47-5	No data available	-	-	1-3
tris(2-butoxyethyl) phosphate	201-122-9	78-51-3	01-2119485835-23	-	-	1-3
polyethylene, oxidized	Polymer*	68441-17-8	[4]	-	-	1-3
polypropylene, maleic anhydride polymer	Polymer*	25722-45-6	[4]	-	-	0.1-1
alkyl alcohol ethoxylate	Polymer*	61827-42-7	[4]	Xn;R22 Xi;R41	Eye Dam. 1 (H318) Acute Tox. 4 (H302)	0.1-1
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	Polymer*	67762-19-0	[4]	Xi;R38-41	Eye Dam. 1 (H318) Skin Irrit. 2 (H315)	0.1-1
alkyl alcohol ethoxylate	Polymer*	68131-39-5	[4]	Xn;R22 Xi;R41 N;R50	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)	0.1-1
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	219-147-9	2373-38-8	No data available	Xi;R38-41	Eye Dam. 1 (H318) Skin Irrit. 2 (H315)	0.1-1
alkyl alcohol ethoxylate	Polymer*	68439-46-3	[4]	Xn;R22 Xi;R41	Eye Dam. 1 (H318) Acute Tox. 4 (H302)	0.1-1
(ethylenedioxy)dimethanol	222-720-6	3586-55-8	No data available	Xn;R22 Xi;R38-41 R52	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Skin Irrit. 2 (H315)	0.1-1
ammonia	215-647-6	1336-21-6	01-2119488876-14	C;R34 N;R50	Skin Corr. 1B (H314) Aquatic Acute 1 (H400)	0.01-0.1
potassium hydroxide	215-181-3	1310-58-3	01-2119487136-33	Xn;R22 C;R35	Skin Corr. 1A (H314) Met. Corr. 1 (H290) Acute Tox. 4 (H302)	0.01-0.1
sodium dodecyl sulphate	205-788-1	151-21-3	No data available	Xn;R22 Xi;R38-41	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Skin Irrit. 2 (H315)	0.01-0.1
1-dodecyl-2-pyrrolidone	403-730-1	2687-96-9	No data available	C;R34 Xi;R43 N;R50/53	Skin Corr. 1B (H314) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Skin Sens. 1 (H317)	0.01-0.1
ethanol	200-578-6	64-17-5	No data available	F;R11	Flam. Liq. 2 (H225)	0.01-0.1
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	700-161-3	-	01-2119436357-36	Xi;R37 Xn;R48/22 R52/53	STOT RE 2 (H373) STOT SE 3 (H335) Aquatic Chronic 3 (H412)	< 0.01
maleic anhydride	203-571-6	108-31-6	No data available	Xn;R22-42/43 C;R34	Resp. Sens. 1 (H334) Skin Corr. 1B (H314) Acute Tox. 4 (H302) Skin Sens. 1 (H317)	< 0.01
propan-2-ol	200-661-7	67-63-0	01-2119457558-25	F;R11 Xi;R36 R67	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	< 0.01
vinyl acetate	203-545-4	108-05-4	No data available	F;R11	Flam. Liq. 2 (H225)	< 0.01
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	Polymer*	38096-68-3	[4]	T;R23 Xi;R41	Acute Tox. 2 (H330) Eye Dam. 1 (H318)	< 0.01
ethanediol	203-473-3	107-21-1	01-2119456816-28	Xn;R22	Acute Tox. 4 (H302) STOT RE 2 (H373)	< 0.01
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	55965-84-9	No data available	T;R23/24/25 C;R34 Xi;R43 N;R50/53	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Skin Sens. 1 (H317)	< 0.01
methacrylic acid	201-204-4	79-41-4	No data available	Xn;R21/22 C;R35	Skin Corr. 1A (H314) Acute Tox. 4 (H302) Acute Tox. 4 (H312)	< 0.01
methyl methacrylate	201-297-1	80-62-6	No data available	F;R11 Xi;R37/38-43	Flam. Liq. 2 (H225) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) STOT SE 3 (H335)	< 0.01
1,2-benzisothiazol-3(2H)-one	220-120-9	2634-33-5	No data available	Xn;R22 Xi;R38-41-43 N;R50	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Skin Sens. 1 (H317) Skin Irrit. 2 (H315)	< 0.01
2-methyl-2H-isothiazol-3-one	220-239-6	2682-20-4	No data available	Xn;R20/22 C;R34 Xi;R43 N;R50	Skin Corr. 1B (H314) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Sens. 1 (H317)	< 0.01

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n-butyl acrylate	205-480-7	141-32-2	No data available	R10 Xi;R36/37/38-43	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335)	< 0.01
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\* Polymer.

For the full text of the R, H and EUH phrases mentioned in this Section, see Section 16.

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

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove from source of exposure. If discomfort persists, obtain medical attention.

#### Skin contact:

Not required under normal use. If irritation develops get medical attention. Rinse with plenty of water.

#### Eye contact:

Wash off immediately with plenty of water. Get medical attention.

#### Ingestion:

Remove material from mouth. Immediately drink 1-2 glasses of water or milk. If large amounts swallowed or symptoms develop, get medical attention.

#### Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

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

#### Inhalation:

Unlikely to be irritant or harmful in normal use.

#### Skin contact:

Unlikely to be irritant in normal use.

#### Eye contact:

Unlikely to be irritant in normal use.

#### Ingestion:

Unlikely to be harmful unless excessive amount ingested.

#### Sensitisation:

No known effects.

### 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.

## 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.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breathe dust or vapour.

### 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

#### Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. Use only in well-ventilated areas. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

#### Prevention of fire and explosion:

No special precautions required.

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

#### Requirements for storage rooms / facilities:

In accordance with local and national regulations.

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**Combined storage in storage rooms / facilities:**

In accordance with local and national regulations. For incompatible materials see subsection 10.5.

**Basic storage conditions**

Store in original container. For conditions to avoid see subsection 10.4.

**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)	UK - Long term value(s)	UK - Short term value(s)
(2-methoxymethylethoxy)propanol	50 ppm 308 mg/m <sup>3</sup>	150 ppm 924 mg/m <sup>3</sup>
potassium hydroxide		2 mg/m <sup>3</sup>
ethanol	1000 ppm 1920 mg/m <sup>3</sup>	3000 ppm 5760 mg/m <sup>3</sup>
maleic anhydride	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>
propan-2-ol	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>
vinyl acetate	5 ppm 17.6 mg/m <sup>3</sup>	10 ppm 35.2 mg/m <sup>3</sup>
ethanediol	20 ppm vapour 52 mg/m <sup>3</sup> vapour 10 mg/m <sup>3</sup> particulate	40 ppm vapour 104 mg/m <sup>3</sup> vapour 30 mg/m <sup>3</sup> particulate
methacrylic acid	20 ppm 72 mg/m <sup>3</sup>	40 ppm 143 mg/m <sup>3</sup>
methyl methacrylate	50 ppm 208 mg/m <sup>3</sup>	100 ppm 416 mg/m <sup>3</sup>
n-butyl acrylate	1 ppm 5 mg/m <sup>3</sup>	5 ppm 26 mg/m <sup>3</sup>

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

**DNEL/DMEL and PNEC values****Human exposure**

DNEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	No data available	No data available	No data available	25
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	1.67
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
sodium dodecyl sulphate	No data available	No data available	No data available	24
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available	No data available	No data available	0.006
maleic anhydride	No data available	No data available	No data available	No data available

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propan-2-ol	No data available	No data available	No data available	26
vinyl acetate	No data available	No data available	No data available	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available	No data available	No data available	No data available
ethanediol	No data available	No data available	No data available	No data available
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

## DNEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	No data available	No data available	No data available	50
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	65
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	No data available	6.8	No data available	6.8
potassium hydroxide	No data available	No data available	No data available	No data available
sodium dodecyl sulphate	No data available	No data available	No data available	4060
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available	No data available	No data available	1.2
maleic anhydride	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	888
vinyl acetate	No data available	No data available	No data available	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available	No data available	No data available	No data available
ethanediol	No data available	No data available	No data available	106
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

## DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	No data available	No data available	No data available	25
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	15
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available

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alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
sodium dodecyl sulphate	No data available	No data available	No data available	2440
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available	No data available	No data available	0.6
maleic anhydride	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	319
vinyl acetate	No data available	No data available	No data available	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available	No data available	No data available	No data available
ethanediol	No data available	No data available	No data available	53
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	No data available	No data available	18	37
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	310
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	36	47.6	14	47.6
potassium hydroxide	No data available	No data available	1	No data available
sodium dodecyl sulphate	No data available	No data available	No data available	285
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	0.3	No data available	No data available	0.042
maleic anhydride	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	500
vinyl acetate	No data available	No data available	No data available	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available	No data available	No data available	No data available
ethanediol	No data available	No data available	35	No data available
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
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## Carefree Eternum

water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	No data available	No data available	9	18.3
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	37.2
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	1	No data available
sodium dodecyl sulphate	No data available	No data available	No data available	85
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available	No data available	0.007	0.0104
maleic anhydride	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	89
vinyl acetate	No data available	No data available	No data available	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecylimino)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available	No data available	No data available	No data available
ethanediol	No data available	No data available	7	No data available
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

## Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	0.74	0.074	10	500
(2-methoxymethylethoxy)propanol	19	1.9	190	4168
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	0.0011	0.011	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
sodium dodecyl sulphate	0.137	0.0137	0.055	1084
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	0.0077	0.00077	0.0303	100
maleic anhydride	No data available	No data available	No data available	No data available
propan-2-ol	140.9	140.9	140.9	2251
vinyl acetate	No data available	No data available	No data available	No data available

## Carefree Eternum

poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[w-hydroxy-, methyl sulfate (1:1)	No data available	No data available	No data available	No data available
ethanediol	10	1	10	199.5
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

## Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
water, distilled, conductivity or of similar purity	No data available	No data available	No data available	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available	No data available	No data available	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available	No data available	No data available	No data available
2-(2-ethoxyethoxy)ethanol	2.74	0.274	0.15	No data available
(2-methoxymethylethoxy)propanol	70.2	7.02	2.74	190
acrylic / styrene copolymer, ammonium salt	No data available	No data available	No data available	No data available
acrylic copolymer	No data available	No data available	No data available	No data available
tetraamminezinc(2+) carbonate	No data available	No data available	No data available	No data available
tris(2-butoxyethyl) phosphate	No data available	No data available	No data available	No data available
polyethylene, oxidized	No data available	No data available	No data available	No data available
polypropylene, maleic anhydride polymer	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
(ethylenedioxy)dimethanol	No data available	No data available	No data available	No data available
ammonia	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
sodium dodecyl sulphate	4.82	0.482	0.882	No data available
1-dodecyl-2-pyrrolidone	No data available	No data available	No data available	No data available
ethanol	No data available	No data available	No data available	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	0.041	0.041	0.0036	No data available
maleic anhydride	No data available	No data available	No data available	No data available
propan-2-ol	552	552	28	No data available
vinyl acetate	No data available	No data available	No data available	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[w-hydroxy-, methyl sulfate (1:1)	No data available	No data available	No data available	No data available
ethanediol	37	3.7	1.53	No data available
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available	No data available	No data available	No data available
methacrylic acid	No data available	No data available	No data available	No data available
methyl methacrylate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	No data available	No data available	No data available	No data available
n-butyl acrylate	No data available	No data available	No data available	No data available

## 8.2 Exposure controls

## General health and safety measures

Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. Avoid contact with eyes.

The following information applies for the uses indicated in subsection 1.2.

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:

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product. Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

## 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.



## Carefree Eternum

**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

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
water, distilled, conductivity or of similar purity	No data available		
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available		
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available		
2-(2-ethoxyethoxy)ethanol	197	Method not given	1013
(2-methoxymethylethoxy)propanol	189.6	Method not given	1013
acrylic / styrene copolymer, ammonium salt	No data available		
acrylic copolymer	100	Method not given	
tetraamminezinc(2+) carbonate	No data available		
tris(2-butoxyethyl) phosphate	210-220	Method not given	5.2
polyethylene, oxidized	No data available		
polypropylene, maleic anhydride polymer	No data available		
alkyl alcohol ethoxylate	No data available		
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available		
alkyl alcohol ethoxylate	No data available		
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available		
alkyl alcohol ethoxylate	No data available		
(ethylenedioxy)dimethanol	No data available		
ammonia	28.5	Method not given	
potassium hydroxide	140	Method not given	1013
sodium dodecyl sulphate	No data available		
1-dodecyl-2-pyrrolidone	No data available		
ethanol	78.4	Method not given	
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available		
maleic anhydride	No data available		
propan-2-ol	82	Method not given	1013
vinyl acetate	No data available		
poly(oxy-1,2-ethanediyl), a,a'-[(methyl octadecyl iminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available		
ethanediol	194-205	Method not given	1013
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		
methacrylic acid	No data available		
methyl methacrylate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		
n-butyl acrylate	No data available		

Method / remark

**Flash point (°C):** Not applicable.

**Sustained combustion:** Not determined

**Evaporation rate:** Not determined

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

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

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
2-(2-ethoxyethoxy)ethanol	1.2	11.6

## Carefree Eternum

(2-methoxymethylethoxy)propanol	1.1	14
ammonia	15.4	33.6
propan-2-ol	2	13
ethanediol	3.2	15.3

## Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
water, distilled, conductivity or of similar purity	No data available		
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available		
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available		
2-(2-ethoxyethoxy)ethanol	20	Method not given	20
(2-methoxymethylethoxy)propanol	5500	Method not given	20
acrylic / styrene copolymer, ammonium salt	No data available		
acrylic copolymer	2300	Method not given	20
tetraamminezinc(2+) carbonate	No data available		
tris(2-butoxyethyl) phosphate	0.0000152	Method not given	25
polyethylene, oxidized	No data available		
polypropylene, maleic anhydride polymer	No data available		
alkyl alcohol ethoxylate	10	Method not given	20
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available		
alkyl alcohol ethoxylate	No data available		
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available		
alkyl alcohol ethoxylate	No data available		
(ethylenedioxy)dimethanol	No data available		
ammonia	586500	Method not given	20
potassium hydroxide	2300	Method not given	20
sodium dodecyl sulphate	No data available		
1-dodecyl-2-pyrrolidone	No data available		
ethanol	5800	Method not given	
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available		
maleic anhydride	No data available		
propan-2-ol	4200	Method not given	20
vinyl acetate	No data available		
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available		
ethanediol	< 10	Method not given	20
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		
methacrylic acid	No data available		
methyl methacrylate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		
n-butyl acrylate	No data available		

## Method / remark

Vapour density: Not determined

Relative density: 1.04 g/cm<sup>3</sup> (20°C)

Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
water, distilled, conductivity or of similar purity	No data available		
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available		
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available		
2-(2-ethoxyethoxy)ethanol	Soluble	Method not given	20
(2-methoxymethylethoxy)propanol	Soluble	Method not given	20
acrylic / styrene copolymer, ammonium salt	No data available		
acrylic copolymer	No data available		
tetraamminezinc(2+) carbonate	No data available		
tris(2-butoxyethyl) phosphate	0.66	OECD 105 (EU A.6)	20
polyethylene, oxidized	0.002	OECD 105 (EU A.6)	20
polypropylene, maleic anhydride polymer	No data available		

## Carefree Eternum

alkyl alcohol ethoxylate	> 100	Method not given	25
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available		
alkyl alcohol ethoxylate	No data available		
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available		
alkyl alcohol ethoxylate	No data available		
(ethylenedioxy)dimethanol	No data available		
ammonia	100 Soluble	Method not given	20
potassium hydroxide	No data available		
sodium dodecyl sulphate	Soluble	Method not given	
1-dodecyl-2-pyrrolidone	No data available		
ethanol	No data available		
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available		
maleic anhydride	No data available		
propan-2-ol	Soluble	Method not given	
vinyl acetate	No data available		
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available		
ethanediol	Soluble	Method not given	20
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		
methacrylic acid	No data available		
methyl methacrylate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		
n-butyl acrylate	No data available		

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

**Method / remark**

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not determined  
**Viscosity:** Not determined  
**Explosive properties:** Not explosive.  
**Oxidising properties:** Not oxidising.

**9.2 Other information**

**Surface tension (N/m):** Not determined  
**Corrosion to metals (according to IMDG/ADR regulation):** Not determined

Substance data, dissociation constant, if available:

**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****Mixtures**

No test data is available on the mixture

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

**Acute toxicity**

## Carefree Eternum

## Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
water, distilled, conductivity or of similar purity		> 2000			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol	LD <sub>50</sub>	5540	Rat	Method not given	
(2-methoxymethylethoxy)propanol	LD <sub>50</sub>	> 4000	Rat	Method not given	
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer	LD <sub>50</sub>	> 5000	Rat	Method not given	
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	LD <sub>50</sub>	> 2000	Rat	Method not given	
polyethylene, oxidized	LD <sub>50</sub>	> 2000	Rat	Method not given	
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate	LD <sub>50</sub>	500 - 2000	Rat	Method not given	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol	LD <sub>50</sub>	760	Rat	Method not given	
ammonia	LD <sub>50</sub>	350	Rat	Method not given	
potassium hydroxide	LD <sub>50</sub>	333	Rat	OECD 425	
sodium dodecyl sulphate	LD <sub>50</sub>	1200	Rat	Method not given	
1-dodecyl-2-pyrrolidone		No data available			
ethanol	LD <sub>50</sub>	5000	Rat	OECD 401 (EU B.1)	
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol	LD <sub>50</sub>	3570	Rat	Method not given	
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol	LD <sub>50</sub>	300 - 2000	Rat	Method not given	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LD <sub>50</sub>	457	Rat	Method not given	
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

## Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol	LD <sub>50</sub>	5940	Rat	Method not given	
(2-methoxymethylethoxy)propanol	LD <sub>50</sub>	9510	Rabbit	Method not given	
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer	LD <sub>50</sub>	> 5000	Rabbit	Method not given	
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	LD <sub>50</sub>	> 5000	Rat	Method not given	

## Carefree Eternum

polyethylene, oxidized		No data available		
polypropylene, maleic anhydride polymer		No data available		
alkyl alcohol ethoxylate		No data available		
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available		
alkyl alcohol ethoxylate		No data available		
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available		
alkyl alcohol ethoxylate		No data available		
(ethylenedioxy)dimethanol	LD <sub>50</sub>	> 2000	Rat	
ammonia		No data available		
potassium hydroxide		No data available		
sodium dodecyl sulphate	LD <sub>50</sub>	> 2000	Rat	Method not given
1-dodecyl-2-pyrrolidone		No data available		
ethanol	LD <sub>50</sub>	> 10000	Rabbit	OECD 402 (EU B.3)
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available		
maleic anhydride		No data available		
propan-2-ol	LD <sub>50</sub>	> 2000	Rabbit	Method not given
vinyl acetate		No data available		
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available		
ethanediol	LD <sub>50</sub>	> 2000	Rabbit	Method not given
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LD <sub>50</sub>	660	Rabbit	Method not given
methacrylic acid		No data available		
methyl methacrylate		No data available		
1,2-benzisothiazol-3(2H)-one		No data available		
2-methyl-2H-isothiazol-3-one		No data available		
n-butyl acrylate		No data available		

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol	LC <sub>0</sub>	> 5.24 (mist)	Rat	OECD 403 (EU B.2)	8
(2-methoxymethylethoxy)propanol		No data available			
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer		No data available			
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	LC <sub>0</sub>	> 6.4 (mist)	Rat	OECD 403 (EU B.2)	4
polyethylene, oxidized		No data available			
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate		No data available			
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			

## Carefree Eternum

(ethylenedioxy)dimethanol		No data available			
ammonia	LC <sub>50</sub>	7.035	Rat	Method not given	0.5
potassium hydroxide		No data available			
sodium dodecyl sulphate		No data available			
1-dodecyl-2-pyrrolidone		No data available			
ethanol	LC <sub>50</sub>	> 1800	Rat	Non guideline test	4
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol	LC <sub>50</sub>	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol	LC <sub>50</sub>	> 2.5 (mist)	Rat	Weight of evidence	6
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available			
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
water, distilled, conductivity or of similar purity	No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available			
2-(2-ethoxyethoxy)ethanol	No data available			
(2-methoxymethylethoxy)propanol	Not irritant		Method not given	
acrylic / styrene copolymer, ammonium salt	No data available			
acrylic copolymer	Not irritant	Rabbit	Method not given	
tetraamminezinc(2+) carbonate	No data available			
tris(2-butoxyethyl) phosphate	Not irritant	Rabbit	Method not given	
polyethylene, oxidized	Not irritant	Rabbit	Method not given	
polypropylene, maleic anhydride polymer	No data available			
alkyl alcohol ethoxylate	Not irritant	Rabbit	OECD 404 (EU B.4)	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available			
alkyl alcohol ethoxylate	No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available			
alkyl alcohol ethoxylate	No data available			
(ethylenedioxy)dimethanol	No data available			
ammonia	Corrosive		Method not given	
potassium hydroxide	Corrosive	Rabbit	Draize test	
sodium dodecyl sulphate	Irritant	Rabbit	OECD 404 (EU B.4)	
1-dodecyl-2-pyrrolidone	No data available			
ethanol	No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available			
maleic anhydride	No data available			
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
vinyl acetate	No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available			
ethanediol	Not irritant	Rabbit	Method not given	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Corrosive		Method not given	
methacrylic acid	No data available			

## Carefree Eternum

methyl methacrylate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		
n-butyl acrylate	No data available		

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
water, distilled, conductivity or of similar purity	No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available			
2-(2-ethoxyethoxy)ethanol	No data available			
(2-methoxymethylethoxy)propanol	Not corrosive or irritant		Method not given	
acrylic / styrene copolymer, ammonium salt	No data available			
acrylic copolymer	Not corrosive or irritant	Rabbit	Method not given	
tetraamminezinc(2+) carbonate	No data available			
tris(2-butoxyethyl) phosphate	Not corrosive or irritant	Rabbit	Method not given	
polyethylene, oxidized	Not corrosive or irritant	Rabbit	Method not given	
polypropylene, maleic anhydride polymer	No data available			
alkyl alcohol ethoxylate	Severe damage	Rabbit	OECD 405 (EU B.5)	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available			
alkyl alcohol ethoxylate	No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available			
alkyl alcohol ethoxylate	No data available			
(ethylenedioxy)dimethanol	No data available			
ammonia	Severe damage		Method not given	
potassium hydroxide	Corrosive		Method not given	
sodium dodecyl sulphate	Severe damage	Rabbit	OECD 405 (EU B.5)	
1-dodecyl-2-pyrrolidone	No data available			
ethanol	No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available			
maleic anhydride	No data available			
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
vinyl acetate	No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecylimino)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available			
ethanediol	Not corrosive or irritant	Rabbit	Method not given	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Severe damage		Method not given	
methacrylic acid	No data available			
methyl methacrylate	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			
2-methyl-2H-isothiazol-3-one	No data available			
n-butyl acrylate	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
water, distilled, conductivity or of similar purity	No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available			
2-(2-ethoxyethoxy)ethanol	No data available			
(2-methoxymethylethoxy)propanol	No data available			
acrylic / styrene copolymer, ammonium salt	No data available			
acrylic copolymer	No data available			
tetraamminezinc(2+) carbonate	No data available			
tris(2-butoxyethyl) phosphate	No data available			
polyethylene, oxidized	No data available			
polypropylene, maleic anhydride polymer	No data available			
alkyl alcohol ethoxylate	No data available			
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available			

## Carefree Eternum

alkyl alcohol ethoxylate	No data available		
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available		
alkyl alcohol ethoxylate	No data available		
(ethylenedioxy)dimethanol	No data available		
ammonia	Irritating to respiratory tract		Method not given
potassium hydroxide	No data available		
sodium dodecyl sulphate	No data available		
1-dodecyl-2-pyrrolidone	No data available		
ethanol	No data available		
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available		
maleic anhydride	No data available		
propan-2-ol	No data available		
vinyl acetate	No data available		
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available		
ethanediol	No data available		
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		
methacrylic acid	No data available		
methyl methacrylate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		
n-butyl acrylate	No data available		

## Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
water, distilled, conductivity or of similar purity	No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available			
2-(2-ethoxyethoxy)ethanol	Not sensitising		Method not given	
(2-methoxymethylethoxy)propanol	Not sensitising		Method not given	
acrylic / styrene copolymer, ammonium salt	No data available			
acrylic copolymer	Not sensitising	Human	Human experience	
tetraamminezinc(2+) carbonate	No data available			
tris(2-butoxyethyl) phosphate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
polyethylene, oxidized	No data available			
polypropylene, maleic anhydride polymer	No data available			
alkyl alcohol ethoxylate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available			
alkyl alcohol ethoxylate	No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available			
alkyl alcohol ethoxylate	No data available			
(ethylenedioxy)dimethanol	No data available			
ammonia	Not sensitising		Method not given	
potassium hydroxide	Not sensitising	Guinea pig	Method not given	
sodium dodecyl sulphate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
1-dodecyl-2-pyrrolidone	No data available			
ethanol	No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available			
maleic anhydride	No data available			
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
vinyl acetate	No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available			
ethanediol	Not sensitising		Method not given	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Sensitising		Method not given	
methacrylic acid	No data available			



## Carefree Eternum

methyl methacrylate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		
n-butyl acrylate	No data available		

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
water, distilled, conductivity or of similar purity	No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available			
2-(2-ethoxyethoxy)ethanol	No data available			
(2-methoxymethylethoxy)propanol	No data available			
acrylic / styrene copolymer, ammonium salt	No data available			
acrylic copolymer	No data available			
tetraamminezinc(2+) carbonate	No data available			
tris(2-butoxyethyl) phosphate	No data available			
polyethylene, oxidized	No data available			
polypropylene, maleic anhydride polymer	No data available			
alkyl alcohol ethoxylate	No data available			
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available			
alkyl alcohol ethoxylate	No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available			
alkyl alcohol ethoxylate	No data available			
(ethylenedioxy)dimethanol	No data available			
ammonia	No data available			
potassium hydroxide	No data available			
sodium dodecyl sulphate	No data available			
1-dodecyl-2-pyrrolidone	No data available			
ethanol	No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available			
maleic anhydride	No data available			
propan-2-ol	No data available			
vinyl acetate	No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecylimino)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available			
ethanediol	No data available			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available			
methacrylic acid	No data available			
methyl methacrylate	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			
2-methyl-2H-isothiazol-3-one	No data available			
n-butyl acrylate	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
water, distilled, conductivity or of similar purity		No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available				
2-(2-ethoxyethoxy)ethanol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
acrylic / styrene copolymer, ammonium salt		No data available				
acrylic copolymer		No data available				
tetraamminezinc(2+) carbonate		No data available				
tris(2-butoxyethyl) phosphate	NOAEL	20	Rat	Method not given	non-standard	

## Carefree Eternum

polyethylene, oxidized		No data available				
polypropylene, maleic anhydride polymer		No data available				
alkyl alcohol ethoxylate		No data available				
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available				
alkyl alcohol ethoxylate		No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available				
alkyl alcohol ethoxylate		No data available				
(ethylenedioxy)dimethanol		No data available				
ammonia	NOAEL	68		Method not given		
potassium hydroxide		No data available				
sodium dodecyl sulphate	NOAEL	488		OECD 408 (EU B.26)	90	
1-dodecyl-2-pyrrolidone		No data available				
ethanol		No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available				
maleic anhydride		No data available				
propan-2-ol		No data available				
vinyl acetate		No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available				
ethanediol		No data available				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available				
methacrylic acid		No data available				
methyl methacrylate		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				
n-butyl acrylate		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
water, distilled, conductivity or of similar purity		No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available				
2-(2-ethoxyethoxy)ethanol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
acrylic / styrene copolymer, ammonium salt		No data available				
acrylic copolymer		No data available				
tetraamminezinc(2+) carbonate		No data available				
tris(2-butoxyethyl) phosphate	NOAEL	1000	Rabbit	Method not given	21	
polyethylene, oxidized		No data available				
polypropylene, maleic anhydride polymer		No data available				
alkyl alcohol ethoxylate		No data available				

## Carefree Eternum

alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available				
alkyl alcohol ethoxylate		No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available				
alkyl alcohol ethoxylate		No data available				
(ethylenedioxy)dimethanol		No data available				
ammonia		No data available				
potassium hydroxide		No data available				
sodium dodecyl sulphate		No data available				
1-dodecyl-2-pyrrolidone		No data available				
ethanol		No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available				
maleic anhydride		No data available				
propan-2-ol		No data available				
vinyl acetate		No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecylimino)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available				
ethanediol		No data available				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available				
methacrylic acid		No data available				
methyl methacrylate		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				
n-butyl acrylate		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
water, distilled, conductivity or of similar purity		No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available				
2-(2-ethoxyethoxy)ethanol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
acrylic / styrene copolymer, ammonium salt		No data available				
acrylic copolymer		No data available				
tetraamminezinc(2+) carbonate		No data available				
tris(2-butoxyethyl) phosphate		No data available				
polyethylene, oxidized		No data available				
polypropylene, maleic anhydride polymer		No data available				
alkyl alcohol ethoxylate		No data available				
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available				
alkyl alcohol ethoxylate		No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available				

## Carefree Eternum

alkyl alcohol ethoxylate		No data available				
(ethylenedioxy)dimethanol		No data available				
ammonia		No data available				
potassium hydroxide		No data available				
sodium dodecyl sulphate		No data available				
1-dodecyl-2-pyrrolidone		No data available				
ethanol		No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available				
maleic anhydride		No data available				
propan-2-ol		No data available				
vinyl acetate		No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available				
ethanediol		No data available				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available				
methacrylic acid		No data available				
methyl methacrylate		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				
n-butyl acrylate		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
water, distilled, conductivity or of similar purity			No data available					
methyl methacrylate, 2-ethylhexyl acrylate polymer			No data available					
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate			No data available					
2-(2-ethoxyethoxy)ethanol			No data available					
(2-methoxymethylethoxy)propanol			No data available					
acrylic / styrene copolymer, ammonium salt			No data available					
acrylic copolymer			No data available					
tetraamminezinc(2+) carbonate			No data available					
tris(2-butoxyethyl) phosphate			No data available					
polyethylene, oxidized			No data available					
polypropylene, maleic anhydride polymer			No data available					
alkyl alcohol ethoxylate			No data available					
alcohols, C10-16, ethoxylated, sulphates, ammonium salts			No data available					
alkyl alcohol ethoxylate			No data available					

## Carefree Eternum

sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate			No data available				
alkyl alcohol ethoxylate			No data available				
(ethylenedioxy)dimethanol			No data available				
ammonia			No data available				
potassium hydroxide			No data available				
sodium dodecyl sulphate			No data available				
1-dodecyl-2-pyrrolidone			No data available				
ethanol			No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts			No data available				
maleic anhydride			No data available				
propan-2-ol			No data available				
vinyl acetate			No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl] bis[ω-hydroxy-, methyl sulfate (1:1)]			No data available				
ethanediol			No data available				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)			No data available				
methacrylic acid			No data available				
methyl methacrylate			No data available				
1,2-benzisothiazol-3(2H)-one			No data available				
2-methyl-2H-isothiazol-3-one			No data available				
n-butyl acrylate			No data available				

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

Mixture data:

Based on available data, the classification criteria are not met.

Substance data, where relevant and available:

## Carcinogenicity

Ingredient(s)	Effect
water, distilled, conductivity or of similar purity	No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available
2-(2-ethoxyethoxy)ethanol	No data available
(2-methoxymethylethoxy)propanol	No evidence for carcinogenicity, negative test results
acrylic / styrene copolymer, ammonium salt	No data available
acrylic copolymer	No data available
tetraamminezinc(2+) carbonate	No data available
tris(2-butoxyethyl) phosphate	No data available
polyethylene, oxidized	No data available
polypropylene, maleic anhydride polymer	No data available
alkyl alcohol ethoxylate	No data available
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available
alkyl alcohol ethoxylate	No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available
alkyl alcohol ethoxylate	No data available
(ethylenedioxy)dimethanol	No data available

## Carefree Eternum

ammonia	No data available
potassium hydroxide	No evidence for carcinogenicity, negative test results
sodium dodecyl sulphate	No evidence for carcinogenicity, negative test results
1-dodecyl-2-pyrrolidone	No data available
ethanol	No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available
maleic anhydride	No data available
propan-2-ol	No data available
vinyl acetate	No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available
ethanediol	No evidence for carcinogenicity, negative test results
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No evidence for carcinogenicity, negative test results
methacrylic acid	No data available
methyl methacrylate	No data available
1,2-benzisothiazol-3(2H)-one	No data available
2-methyl-2H-isothiazol-3-one	No data available
n-butyl acrylate	No data available

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
water, distilled, conductivity or of similar purity	No data available		No data available	
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available		No data available	
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available		No data available	
2-(2-ethoxyethoxy)ethanol	No data available		No data available	
(2-methoxymethylethoxy)propanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
acrylic / styrene copolymer, ammonium salt	No data available		No data available	
acrylic copolymer	No data available		No data available	
tetraamminezinc(2+) carbonate	No data available		No data available	
tris(2-butoxyethyl) phosphate	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 476 (Chinese Hamster Ovary) OECD 476 (HGPRT)	No evidence for mutagenicity, negative test results	OECD 474 (EU B.12)
polyethylene, oxidized	No data available		No data available	
polypropylene, maleic anhydride polymer	No data available		No data available	
alkyl alcohol ethoxylate	No data available		No data available	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available		No data available	
alkyl alcohol ethoxylate	No data available		No data available	
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available		No data available	
alkyl alcohol ethoxylate	No data available		No data available	
(ethylenedioxy)dimethanol	No data available		No data available	
ammonia	No evidence for mutagenicity, weight of evidence		No evidence for mutagenicity, weight of evidence	
potassium hydroxide	No evidence for mutagenicity, negative test results	Method not given	No data available	
sodium dodecyl sulphate	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No evidence for mutagenicity, negative test results	OECD 475 (EU B.11)
1-dodecyl-2-pyrrolidone	No data available		No data available	
ethanol	No data available		No data available	
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available		No data available	
maleic anhydride	No data available		No data available	
propan-2-ol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
vinyl acetate	No data available		No data available	
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]	No data available		No data available	
ethanediol	No evidence for mutagenicity, negative test results	Method not given	No data available	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No evidence for mutagenicity, weight of evidence	Method not given	No data available	

## Carefree Eternum

methacrylic acid	No data available		No data available	
methyl methacrylate	No data available		No data available	
1,2-benzisothiazol-3(2H)-one	No data available		No data available	
2-methyl-2H-isothiazol-3-one	No data available		No data available	
n-butyl acrylate	No data available		No data available	

## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
water, distilled, conductivity or of similar purity			No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer			No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate			No data available				
2-(2-ethoxyethoxy)ethanol			No data available				
(2-methoxymethylethoxy)propanol		Developmental toxicity	No data available				No evidence for reproductive toxicity
acrylic / styrene copolymer, ammonium salt			No data available				
acrylic copolymer			No data available				
tetraamminezinc(2+) carbonate			No data available				
tris(2-butoxyethyl) phosphate			No data available		Not known		No evidence for reproductive toxicity
polyethylene, oxidized			No data available				
polypropylene, maleic anhydride polymer			No data available				
alkyl alcohol ethoxylate			No data available				
alcohols, C10-16, ethoxylated, sulphates, ammonium salts			No data available				
alkyl alcohol ethoxylate			No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate			No data available				
alkyl alcohol ethoxylate			No data available				
(ethylenedioxy)dimethanol			No data available				
ammonia			No data available				No evidence for reproductive toxicity
potassium hydroxide			No data available				No evidence for reproductive toxicity
sodium dodecyl sulphate	NOAEL	Teratogenic effects	250	Rat	OECD 414 (EU B.31), oral		
1-dodecyl-2-pyrrolidone			No data available				
ethanol			No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts			No data available				
maleic anhydride			No data available				
propan-2-ol			No data available				
vinyl acetate			No data available				

## Carefree Eternum

poly(oxy-1,2-ethanediy), , a,a'-[(methyloctadecyli minio)di-2,1-ethanediy] bis[ω-hydroxy-, methyl sulfate (1:1)			No data available				
ethanediol			No data available				No evidence for reproductive toxicity
5-chloro-2-methyl-2H-is othiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC No 220-239-6] (3:1)			No data available				No evidence for reproductive toxicity No evidence for teratogenic effects
methacrylic acid			No data available				
methyl methacrylate			No data available				
1,2-benzisothiazol-3(2H )-one			No data available				
2-methyl-2H-isothiazol- 3-one			No data available				
n-butyl acrylate			No data available				

**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**

## Mixtures

No test 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)
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol	LC <sub>50</sub>	> 100	Pimephales promelas	Method not given	96
(2-methoxymethylethoxy)propanol	LC <sub>50</sub>	> 1000	Poecilia reticulata	Method not given	96
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer		No data available			
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	LC <sub>50</sub>	24	Oncorhynchus mykiss Various species	Method not given	96
polyethylene, oxidized	LC <sub>50</sub>	> 10000	Brachydanio rerio	OECD 203	96
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate	LC <sub>50</sub>	10 - 100	Leuciscus idus	Method not given	96
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol	LC <sub>50</sub>	71	Brachydanio rerio	Method not given	96
ammonia	LC <sub>50</sub>	0.56 - 2.48	Fish	Method not given	96
potassium hydroxide	LC <sub>50</sub>	80	Various species	Method not given	24
sodium dodecyl sulphate	LC <sub>50</sub>	4.1	Fish	Method not given	96
1-dodecyl-2-pyrrolidone		No data available			



## Carefree Eternum

ethanol	LC <sub>50</sub>	8150	Alburnus alburnus	Method not given	96
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol	LC <sub>50</sub>	> 100	Pimephales promelas	Method not given	48
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol	LC <sub>50</sub>	18500	Oncorhynchus mykiss	Method not given	96
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LC <sub>50</sub>	0.28	Lepomis macrochirus	OECD 203	96
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

## Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol	EC <sub>50</sub>	1982	Daphnia magna Straus	Method not given	48
(2-methoxymethylethoxy)propanol	EC <sub>50</sub>	1919	Daphnia magna Straus	Method not given	48
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer		No data available			
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	EC <sub>50</sub>	53	Daphnia magna Straus	Method not given	48
polyethylene, oxidized	EC <sub>50</sub>	> 10000	Daphnia magna Straus	OECD 202	48
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate	EC <sub>50</sub>	10 - 100	Not specified	Method not given	48
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol	EC <sub>50</sub>	28	Daphnia magna Straus	Method not given	48
ammonia	EC <sub>50</sub>	1.1 - 22.8	Daphnia magna Straus	Method not given	
potassium hydroxide	EC <sub>50</sub>	30 - 1000	Daphnia magna Straus	Method not given	
sodium dodecyl sulphate	LC <sub>50</sub>	3.15 - 3.8	Daphnia	Non guideline test	48
1-dodecyl-2-pyrrolidone		No data available			
ethanol	EC <sub>50</sub>	9268 - 14221	Daphnia magna Straus	Method not given	48
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol	EC <sub>50</sub>	> 100	Daphnia magna Straus	Method not given	48
vinyl acetate		No data available			

## Carefree Eternum

poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol	EC <sub>50</sub>	> 100	Daphnia magna Straus	Method not given	48
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	EC <sub>50</sub>	0.126	Daphnia magna Straus	OECD 202	48
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

## Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol		No data available			
(2-methoxymethylethoxy)propanol	EC <sub>50</sub>	> 969	Selenastrum capricornutum	Method not given	72
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer		No data available			
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	EC <sub>50</sub>	61	Pseudokirchner iella subspicatatata	Method not given	48
polyethylene, oxidized		No data available			
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate	EC <sub>50</sub>	10 - 100	Not specified	DIN 38412, Part 9	96
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol	E <sub>r</sub> C <sub>50</sub>	4.62	Desmodesmus subspicatus	Method not given	72
ammonia		No data available			
potassium hydroxide		No data available			
sodium dodecyl sulphate	E <sub>r</sub> C <sub>50</sub>	> 120	Not specified	DIN 38412, Part 9	72
1-dodecyl-2-pyrrolidone		No data available			
ethanol	EC <sub>0</sub>	5000	Scenedesmus quadricauda	Method not given	168
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol	EC <sub>50</sub>	> 100	Scenedesmus quadricauda	Method not given	72
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol	EC <sub>50</sub>	6500 - 13000	Pseudokirchner iella subcapitata	Method not given	96
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	EC <sub>50</sub>	0.003	Pseudokirchner iella subcapitata	OECD 201	72

## Carefree Eternum

methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol		No data available			
(2-methoxymethylethoxy)propanol		No data available			
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer		No data available			
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate		No data available			
polyethylene, oxidized		No data available			
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate		No data available			
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol		No data available			
ammonia		No data available			
potassium hydroxide		No data available			
sodium dodecyl sulphate		No data available			
1-dodecyl-2-pyrrolidone		No data available			
ethanol		No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol		No data available			
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol		No data available			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available			
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			

## Carefree Eternum

n-butyl acrylate		No data available			
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## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
water, distilled, conductivity or of similar purity		No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available			
2-(2-ethoxyethoxy)ethanol	EC <sub>50</sub>	> 5000		Method not given	16 hour(s)
(2-methoxymethylethoxy)propanol	EC <sub>10</sub>	4168	Pseudomonas putida	Method not given	
acrylic / styrene copolymer, ammonium salt		No data available			
acrylic copolymer		No data available			
tetraamminezinc(2+) carbonate		No data available			
tris(2-butoxyethyl) phosphate	EC <sub>50</sub>	> 1000	Activated sludge	Method not given	3 hour(s)
polyethylene, oxidized		No data available			
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate	EC <sub>10</sub>	48	Bacteria	DIN 38412 / Part 8	17 hour(s)
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol		No data available			
ammonia		No data available			
potassium hydroxide		No data available			
sodium dodecyl sulphate	EC <sub>50</sub>	135	Bacteria	Method not given	3 hour(s)
1-dodecyl-2-pyrrolidone		No data available			
ethanol	EC <sub>0</sub>	6500	Pseudomonas putida	Method not given	16 hour(s)
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol	EC <sub>50</sub>	> 1000	Activated sludge	Method not given	
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available			
ethanediol	EC <sub>50</sub>	10000	Pseudomonas putida	Method not given	16 hour(s)
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	EC <sub>20</sub>	0.97	Activated sludge	OECD 209	3 hour(s)
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
water, distilled, conductivity or of similar purity		No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available				

## Carefree Eternum

2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available				
2-(2-ethoxyethoxy)ethanol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
acrylic / styrene copolymer, ammonium salt		No data available				
acrylic copolymer		No data available				
tetraamminezinc(2+) carbonate		No data available				
tris(2-butoxyethyl) phosphate		No data available				
polyethylene, oxidized		No data available				
polypropylene, maleic anhydride polymer		No data available				
alkyl alcohol ethoxylate		No data available				
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available				
alkyl alcohol ethoxylate		No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available				
alkyl alcohol ethoxylate		No data available				
(ethylenedioxy)dimethanol		No data available				
ammonia		No data available				
potassium hydroxide		No data available				
sodium dodecyl sulphate	NOEC	> 1.357	Not specified	Method not given	42 day(s)	
1-dodecyl-2-pyrrolidone		No data available				
ethanol		No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available				
maleic anhydride		No data available				
propan-2-ol		No data available				
vinyl acetate		No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available				
ethanediol	NOEC	> 100	Not specified	Method not given		
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available				
methacrylic acid		No data available				
methyl methacrylate		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				
n-butyl acrylate		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
water, distilled, conductivity or of similar purity		No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available				
2-(2-ethoxyethoxy)ethanol		No data available				
(2-methoxymethylethoxy)propanol	NOEC	> 0.5	Daphnia magna	Method not given	22 day(s)	

## Carefree Eternum

acrylic / styrene copolymer, ammonium salt		No data available				
acrylic copolymer		No data available				
tetraamminezinc(2+) carbonate		No data available				
tris(2-butoxyethyl) phosphate		No data available				
polyethylene, oxidized		No data available				
polypropylene, maleic anhydride polymer		No data available				
alkyl alcohol ethoxylate	NOEC	12.5	Daphnia magna	OECD 202	21 day(s)	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available				
alkyl alcohol ethoxylate		No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available				
alkyl alcohol ethoxylate		No data available				
(ethylenedioxy)dimethanol		No data available				
ammonia		No data available				
potassium hydroxide		No data available				
sodium dodecyl sulphate	NOEC	0.88	Daphnia sp.	US-EPA 1994	7 day(s)	
1-dodecyl-2-pyrrolidone		No data available				
ethanol		No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available				
maleic anhydride		No data available				
propan-2-ol		No data available				
vinyl acetate		No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)		No data available				
ethanediol	NOEC	> 100		Method not given		
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available				
methacrylic acid		No data available				
methyl methacrylate		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				
n-butyl acrylate		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
water, distilled, conductivity or of similar purity		No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer		No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate		No data available				
2-(2-ethoxyethoxy)ethanol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
acrylic / styrene copolymer, ammonium salt		No data available				
acrylic copolymer		No data available				
tetraamminezinc(2+) carbonate		No data available				

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tris(2-butoxyethyl) phosphate		No data available			
polyethylene, oxidized		No data available			
polypropylene, maleic anhydride polymer		No data available			
alkyl alcohol ethoxylate		No data available			
alcohols, C10-16, ethoxylated, sulphates, ammonium salts		No data available			
alkyl alcohol ethoxylate		No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate		No data available			
alkyl alcohol ethoxylate		No data available			
(ethylenedioxy)dimethanol		No data available			
ammonia		No data available			
potassium hydroxide		No data available			
sodium dodecyl sulphate		No data available			
1-dodecyl-2-pyrrolidone		No data available			
ethanol		No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts		No data available			
maleic anhydride		No data available			
propan-2-ol		No data available			
vinyl acetate		No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1) ethanediol		No data available			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		No data available			
methacrylic acid		No data available			
methyl methacrylate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			
n-butyl acrylate		No data available			

**Terrestrial toxicity**

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

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

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

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
(2-methoxymethylethoxy)propanol	< 1 day(s)	Method not given	Rapidly photodegradable	
ethanediol	No data available	Method not given	Rapidly photodegradable	

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

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Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
water, distilled, conductivity or of similar purity					No data available
methyl methacrylate, 2-ethylhexyl acrylate polymer					No data available
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate					No data available
2-(2-ethoxyethoxy)ethanol			90 % in 28 day(s)	OECD 301E	Readily biodegradable
(2-methoxymethylethoxy)propanol		Oxygen depletion	75 % in 28 day(s)	OECD 301F	Readily biodegradable
acrylic / styrene copolymer, ammonium salt					No data available
acrylic copolymer					No data available
tetraamminezinc(2+) carbonate					No data available
tris(2-butoxyethyl) phosphate			87 % in 28 day(s)	Method not given	Readily biodegradable
polyethylene, oxidized					Not readily biodegradable.
polypropylene, maleic anhydride polymer					No data available
alkyl alcohol ethoxylate		CO <sub>2</sub> production	> 60% in 28 day(s)	OECD 301B	Readily biodegradable
alcohols, C10-16, ethoxylated, sulphates, ammonium salts					No data available
alkyl alcohol ethoxylate					No data available
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate					No data available
alkyl alcohol ethoxylate					No data available
(ethylenedioxy)dimethanol					No data available
ammonia					Readily biodegradable
potassium hydroxide					Not applicable (inorganic substance)
sodium dodecyl sulphate		CO <sub>2</sub> production	95% in 28 day(s)	OECD 301B	Readily biodegradable
1-dodecyl-2-pyrrolidone					No data available
ethanol					No data available
partially fluorinated alcohol, reaction products with phosphorus oxide (P <sub>2</sub> O <sub>5</sub> ), ammonium salts					No data available
maleic anhydride					No data available
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
vinyl acetate					No data available
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)]					No data available
ethanediol			56 % in 28 day(s)	OECD 301C	Readily biodegradable
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		Oxygen depletion	> 60%	OECD 301D	Readily biodegradable
methacrylic acid					No data available
methyl methacrylate					No data available
1,2-benzisothiazol-3(2H)-one					No data available
2-methyl-2H-isothiazol-3-one					No data available
n-butyl acrylate					No data available

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 K<sub>ow</sub>)

Ingredient(s)	Value	Method	Evaluation	Remark
water, distilled, conductivity or of similar purity	No data available			
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available			
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available			
2-(2-ethoxyethoxy)ethanol	-0.8	Method not given	No bioaccumulation expected	
(2-methoxymethylethoxy)propanol	1.01	Method not given	Low potential for bioaccumulation	
acrylic / styrene copolymer, ammonium salt	No data available			
acrylic copolymer	No data available			
tetraamminezinc(2+) carbonate	No data available			
tris(2-butoxyethyl) phosphate	3.75	Method not given	No bioaccumulation expected	
polyethylene, oxidized	No data available			



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polypropylene, maleic anhydride polymer	No data available			
alkyl alcohol ethoxylate	No data available		No bioaccumulation expected	
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available			
alkyl alcohol ethoxylate	No data available			
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available			
alkyl alcohol ethoxylate	No data available			
(ethylenedioxy)dimethanol	No data available			
ammonia	0.23	Method not given	No bioaccumulation expected	
potassium hydroxide	No data available		Not relevant, does not bioaccumulate	
sodium dodecyl sulphate	=< 2.03	Method not given	Low potential for bioaccumulation	
1-dodecyl-2-pyrrolidone	No data available			
ethanol	No data available			
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available			
maleic anhydride	No data available			
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
vinyl acetate	No data available			
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecyliminio)di-2,1-ethanediyl]bis[w-hydroxy-, methyl sulfate (1:1)	No data available			
ethanediol	-1.34	Method not given	No bioaccumulation expected	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-0.71 - +0.75	Method not given	No bioaccumulation expected	
methacrylic acid	No data available			
methyl methacrylate	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			
2-methyl-2H-isothiazol-3-one	No data available			
n-butyl acrylate	No data available			

## Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
water, distilled, conductivity or of similar purity	No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available				
2-(2-ethoxyethoxy)ethanol	No data available				
(2-methoxymethylethoxy)propanol	No data available				
acrylic / styrene copolymer, ammonium salt	No data available				
acrylic copolymer	No data available				
tetraamminezinc(2+) carbonate	No data available				
tris(2-butoxyethyl) phosphate	5.8		Method not given	No bioaccumulation expected	
polyethylene, oxidized	No data available				
polypropylene, maleic anhydride polymer	No data available				
alkyl alcohol ethoxylate	No data available				
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available				
alkyl alcohol ethoxylate	No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available				

## Carefree Eternum

alkyl alcohol ethoxylate	No data available				
(ethylenedioxy)dimethanol	No data available				
ammonia	No data available				
potassium hydroxide	No data available				
sodium dodecyl sulphate	No data available				
1-dodecyl-2-pyrrolidone	No data available				
ethanol	No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available				
maleic anhydride	No data available				
propan-2-ol	No data available				
vinyl acetate	No data available				
poly(oxy-1,2-ethanediyl), a,a'-[(methyloctadecylimino)di-2,1-ethanediyl] bis[ω-hydroxy-, methyl sulfate (1:1)	No data available				
ethanediol	No data available				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available				
methacrylic acid	No data available				
methyl methacrylate	No data available				
1,2-benzisothiazol-3(2H)-one	No data available				
2-methyl-2H-isothiazol-3-one	No data available				
n-butyl acrylate	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
water, distilled, conductivity or of similar purity	No data available				
methyl methacrylate, 2-ethylhexyl acrylate polymer	No data available				
2-propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate	No data available				
2-(2-ethoxyethoxy)ethanol	No data available				High potential for mobility in soil
(2-methoxymethylethoxy)propanol	No data available				High potential for mobility in soil
acrylic / styrene copolymer, ammonium salt	No data available				
acrylic copolymer	No data available				
tetraamminezinc(2+) carbonate	No data available				
tris(2-butoxyethyl) phosphate	2.5		Method not given		Mobile in soil
polyethylene, oxidized	No data available				
polypropylene, maleic anhydride polymer	No data available				
alkyl alcohol ethoxylate	No data available				Potential for adsorption to soil
alcohols, C10-16, ethoxylated, sulphates, ammonium salts	No data available				
alkyl alcohol ethoxylate	No data available				
sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate	No data available				
alkyl alcohol ethoxylate	No data available				
(ethylenedioxy)dimethanol	No data available				
ammonia	No data available				Low mobility in soil
potassium hydroxide	No data available				Low potential for adsorption to soil
sodium dodecyl sulphate	No data available				Potential for mobility in soil, soluble in water
1-dodecyl-2-pyrrolidone	No data available				

## Carefree Eternum

ethanol	No data available				
partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts	No data available				
maleic anhydride	No data available				
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
vinyl acetate	No data available				
poly(oxy-1,2-ethanediyl), a,a'-[[methyloctadecyliminio]di-2,1-ethanediyl]bis[ω-hydroxy-, methyl sulfate (1:1)	No data available				
ethanediol	No data available				Potential for mobility in soil, soluble in water
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available				
methacrylic acid	No data available				
methyl methacrylate	No data available				
1,2-benzisothiazol-3(2H)-one	No data available				
2-methyl-2H-isothiazol-3-one	No data available				
n-butyl acrylate	No data available				

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 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.

**European Waste Catalogue:**

16 03 06 - organic wastes other than those mentioned in 16 03 05.

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

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****ADR, RID, ADN, 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

**Class:** -

**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 73/78 and the IBC Code:** The product is not transported in bulk tankers.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**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*

**MSDS code:** MSDS6829

**Version:** 02

**Revision:** 2014-02-06

**Reason for revision:**

Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

**Full text of the R, H and EUH phrases mentioned in section 3:**

**Carefree Eternum**

- R50 - Very toxic to aquatic organisms.
- R41 - Risk of serious damage to eyes.
- R22 - Harmful if swallowed.
- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H301 - Toxic if swallowed.
- H302 - Harmful if swallowed.
- H311 - Toxic in contact with skin.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H330 - Fatal if inhaled.
- H331 - Toxic if inhaled.
- H332 - Harmful if inhaled.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H373 - May cause damage to organs (a,b,c) through prolonged or repeated exposure if inhaled.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**