

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

### 1.1 Product identifier

Product Name Lifestyle Soap Pads

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

**Use of the substance/mixture** Scouring cleaner for washing and cleaning purposes.

**Relevant identified uses** SU21 Private households (+general public = consumers)  
PC35 Washing and Cleaning Products

**Uses advised against** Uses other than those identified are not recommended.

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

Producer/Supplier Killeen Manufacturing  
Address Unit 1,  
Donore Industrial Estate,  
Donore Rd.,  
Drogheda,  
Co. Louth,  
Republic of Ireland  
Telephone No. +353 (0)41 9870361  
Fax No. +353 (0)41 9870369  
email pnalty@boynevalley.com

### 1.4 Emergency telephone number

Emergency Telephone No. +353 41 9870362 Monday Friday 08.00 – 15.00

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Not classified as dangerous according to Classification Labelling Packaging Regulation No 1272/2008

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms Not applicable  
Signal word Not applicable  
Hazard statement EUH208. Contains 2-methyl-2H-isothiazol-3-one; 1,2-benzisothiazol-3(2H)-one.  
May produce an allergic reaction.  
Precautionary statement Not applicable

### 2.3 Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

**Chemical nature** Aqueous mixture of fatty acid sodium salt.

#### Hazardous components

Substance	CAS No. EU INDEX No. EC No. REACH Registration No.	Concentration (% w/w)	Classification according Regulation (EC) No. 1272 [CLP]	SCL and/or M-factor
Sodium Xylene Sulphonate	1300-72-7 ----- 215-090-9 01-2119513350-56-XXX	3,0 – 5,0	Eye Irrit. 2, H319	
Sodium Nitrite	7632-00-0 007-010-00-4 231-555-9 01-2119471836-27-XXXX	0,5 – 2,0	Ox. Sol. 3, H272 Acute Tox. 3 (oral), H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400	M=1
Sodium Hydroxide	1310-73-2 011-002-00-6 215-185-5 01-2119457892-27-XXXX	0,0 - 0,3	Met. Corr. 1, H290 Skin Corr. 1A, H314  Eye Dam. 1, H318	C ≥ 5 % Skin Corr. 1A; H314: 2 % ≤ C < 5 % Skin Corr. 1B; H314: 0,5 % ≤ C < 2 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319:
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9 ----- 219-145-8 01-2119980592-29-XXXX	< 0,02	Acute Tox. 3; H301 Skin Corr. 1B; H314 STOT SE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
1,2-Benzisothiazol-3(2H)-one	2634-33-5 613-088-00-6 220-120-9 -----	< 0,02	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317  Aquatic Acute 1; H400 Aquatic Chronic 2; H411	C ≥ 0,05 % Skin Sens. 1; H317:
2-Methyl-2H-isothiazol-3-one	2682-20-4 ----- 220-239-6 -----	< 0,02	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 2; H330 Skin Sens. 1A; H317 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	
1-amino-4-hydroxy-2-phenoxyanthraquinone	17418-58-5 ----- 241-442-6 -----	0,0042 - 0,0060	Eye Irrit. 2, H319	

## Section 4: First aid measures

### 4.1 Description of first aid measures

General advice	No special measures required.
If inhaled	No special requirements.
In case of skin contact	Wash affected area with plenty of water.
In case of eye contact	Immediately irrigate with clean water for several minutes. Seek medical attention, if irritation persists.
If swallowed	Do not induce vomiting. Wash out mouth with water, do not swallow. When in doubt or if symptoms persist, seek medical attention.

### 4.2 most important symptoms and side effects, both acute and delayed

Symptoms	No significant symptoms are expected due to the non-classification of the product.
----------	--

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

No supplementary information available

## Section 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	Powder, foam, carbon dioxide.
Extinguishing media inadvisable	Do not use water jet

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

Hazardous thermal decomposition products	May produce fumes of carbon monoxide and carbon dioxide on burning.
Special hazards arising from the substance or mixture	Exposure to decomposition products may be a hazard to health. In case of fire do not breathe fumes.

### 5.3 Advice for fire fighters

Protection for fire fighters	Wear a self-contained breathing apparatus. Wear suitable protective clothing and gloves.
------------------------------	---

## 6 Section: Accidental release measures

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

For non-emergency personnel	No special precautions required.
For emergency responders	No special precautions required.

### 6.2 Environmental precautions

Environmental precautions	Minimize contamination of drains, surface and ground waters.
---------------------------	--

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

Methods for cleaning up	Sweep or shovel up spillage and remove to a safe place.
-------------------------	---

### 6.4 Reference to other sections

Emergency telephone number	See section 1.
Personal protective equipment	See section 8.
Waste disposal method	See section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Protective measures Do not ingest. Avoid contact with eyes.  
 Advice on general occupational hygiene No special precautions

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

Storage Store in original containers at room temperature and under dry conditions. Keep out of reach of children.

### 7.3 Specific end uses

Recommendations Not available

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

#### 8.1.1. Components with workplace control parameters

SUBSTANCE: SODIUM HYDROXIDE					
CAS No.: 1310-73-2					
EC No.: 215-185-5					
Country	Limit value - Eight hours		Limit value - Short term		Source
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Portugal				2 (1)	Diário da República, 1.ª série - N.º 26 - 6 de fevereiro de 2012
Spain		2			Límites de Exposición Profesional para Agentes Químicos en España 2017
Remarks					
Portugal	(1) Ceiling limit value				

### DNEL values

#### DNEL oral exposure – Consumer (mg/kg bw/day)

Ingredient	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Sodium Xylene Sulphonate	-	-	-	3,8
Sodium Nitrite	-	-	-	-
Sodium Sulphate	-	-	-	-
Sodium Hydroxide	-	-	-	-
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	-	-	-	0,2
1,2-Benzisothiazol-3(2H)-one	-	-	-	-
2-Methyl-2H-isothiazol-3-one	-	-	-	-

**DNEL oral exposure – Worker (mg/kg bw)**

Ingredient	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Sodium Xylene Sulphonate	-	-	-	-
Sodium Nitrite	-	-	-	-
Sodium Sulphate	-	-	-	-
Sodium Hydroxide	-	-	-	-
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	-	-	-	-
1,2-Benzisothiazol-3(2H)-one	-	-	-	-
2-Methyl-2H-isothiazol-3-one	-	-	-	-

**DNEL inhalation exposure – Consumer (mg/m<sup>3</sup>)**

Ingredient	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Sodium Xylene Sulphonate	-	-	-	13,2
Sodium Nitrite	-	-	-	-
Sodium Sulphate	-	-	12	12
Sodium Hydroxide	-	-	-	-
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	-	-	-	0,7
1,2-Benzisothiazol-3(2H)-one	-	-	1	-
2-Methyl-2H-isothiazol-3-one	-	-	-	-

**DNEL inhalation exposure – Worker (mg/m<sup>3</sup>)**

Ingredient	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Sodium Xylene Sulphonate	-	-	-	53,6
Sodium Nitrite	-	2	-	2
Sodium Sulphate	-	-	20	20
Sodium Hydroxide	-	-	1	-
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	-	-	-	2,35
1,2-Benzisothiazol-3(2H)-one	-	-	-	-
2-Methyl-2H-isothiazol-3-one	-	-	-	-

**DNEL dermal exposure – Consumer (mg/kg bw/day)**

Ingredient	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Sodium Xylene Sulphonate	-	-	-	3,8
Sodium Nitrite	-	-	-	-
Sodium Sulphate	-	-	-	-
Sodium Hydroxide	-	-	-	-
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	-	-	-	0,54
1,2-Benzisothiazol-3(2H)-one	-	-	-	-
2-Methyl-2H-isothiazol-3-one	-	-	-	-

**DNEL dermal exposure – Worker (mg/kg bw/day)**

Ingredient	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Sodium Xylene Sulphonate	-	-	-	7,6
Sodium Nitrite	-	-	-	-
Sodium Sulphate	-	-	-	-
Sodium Hydroxide	-	-	-	-
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	-	-	-	0,91
1,2-Benzisothiazol-3(2H)-one	-	-	-	-
2-Methyl-2H-isothiazol-3-one	-	-	-	-

**PNEC**

Component	PNEC type	Value
Sodium Xylene Sulphonate	PNEC aquatic, freshwater	0,23 mg/l
Sodium Xylene Sulphonate	PNEC aquatic, intermittent release	2,3 mg/l
Sodium Xylene Sulphonate	PNEC sewage treatment plant	100 mg/l
Sodium Nitrite	PNEC aquatic, freshwater	0,0054 mg/l
Sodium Nitrite	PNEC aquatic, marine water	0,00616 mg/l
Sodium Nitrite	PNEC aquatic, intermittent release	0,0054 mg/l
Sodium Nitrite	PNEC sediment, freshwater	0,0195 mg/kg
Sodium Nitrite	PNEC sediment, marine water	0,0223 mg/kg
Sodium Nitrite	PNEC soil	0,000733 mg/kg
Sodium Nitrite	PNEC sewage treatment plant	21 mg/l
Sodium Sulphate	PNEC aquatic, freshwater	11,09 mg/l
Sodium Sulphate	PNEC aquatic, marine water	1,109 mg/l
Sodium Sulphate	PNEC sediment, freshwater	40,2 mg/kg
Sodium Sulphate	PNEC sediment, marine water	4,02 mg/kg
Sodium Sulphate	PNEC soil	1,54 mg/kg
Sodium Sulphate	PNEC sewage treatment plant	800 mg/l
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	PNEC aquatic, freshwater	0,001 mg/l
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	PNEC aquatic, marine water	0,0001 mg/l
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	PNEC sediment, freshwater	8,5 mg/kg
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	PNEC sediment, marine water	0,85 mg/kg
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	PNEC soil	45,34 mg/kg
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	PNEC sewage treatment plant	1,33 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Eye/face protection	No special requirements.
Hand protection	Rubber gloves are recommended.
Respiratory protection	No special requirements.
Skin and body protection	Wash contaminated clothing before re-use.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	Mild steel soap pad impregnated with soap (solid at room temperature)
Colour	Pink
Odour	Tallow odour.
Odour threshold	No data available.
pH of soap (4% aqueous solution)	10 – 10.5
Melting point/boiling point	No data available.
Initial melting point/ initial boiling point	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Solubilit(ies)	
Water soluble	Soluble.
Partition coefficient: n- octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity:	Not applicable.
Explosive properties	Not explosive.
Oxidising properties	No data available.

### 9.2 Other information

## Section 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions if stored at normal ambient temperatures.

### 10.2 Chemical stability

Under storage at normal ambient temperatures the product is stable.

### 10.3 Possibility of hazardous reactions

No hazardous reactions if stored at normal ambient temperatures.

#### 10.4 Conditions to avoid

Avoid humidity, see section 7.2.

#### 10.5 Incompatible materials to avoid

Strong oxidising agents.

#### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

Component	End Point	Value (mg/kg)	Species	Method	Exposure hours
Sodium Xylene Sulphonate	LD50	>7200	Rat - Male, Female	Method not given	
Sodium Nitrite	LD50	180	Rat	Method not given	
Sodium Sulphate	LD50	>2000	Rat	OECD 423	
Sodium Hydroxide		No data available			
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	LD50	261	Rat	OECD Test Guideline 401	
1,2-Benzisothiazol-3(2H)-one	LD50	1193	Rat	Method not given	
2-Methyl-2H-isothiazol-3-one	LD50	120	Rat	Method not given	

#### Acute dermal toxicity

Component	End Point	Value (mg/kg)	Species	Method	Exposure hours
Sodium Xylene Sulphonate	LD50	>2000	Rabbit	Method not given	
Sodium Nitrite		No data available			
Sodium Sulphate		No data available			
Sodium Hydroxide		No data available			
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine		No data available			
1,2-Benzisothiazol-3(2H)-one	LD50	4115	Rat	Method not given	
2-Methyl-2H-isothiazol-3-one	LD50	242	Rabbit, female	Method not given	

#### Acute inhalation toxicity

Component	End Point	Value (mg/l)	Species	Method	Exposure hours
Sodium Xylene Sulphonate	LD50	>6.41	Rabbit	Method not given	4
Sodium Nitrite		No data available			
Sodium Sulphate		No data available			
Sodium Hydroxide		No data available			
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine		No data available			
1,2-Benzisothiazol-3(2H)-one		No data available			
2-Methyl-2H-isothiazol-3-one	LD50	0,11	Rat	OECD 403	4

#### Skin corrosion/irritation



Component	Result	Species	Method	Exposure hours
Sodium Xylene Sulphonate	Mild irritant	Rabbit	OECD 404	
Sodium Nitrite	Not irritating	Rabbit	OECD 404	
Sodium Sulphate	Not irritating		OECD 404	
Sodium Hydroxide	Causes severe burns			
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Causes severe burns	Rabbit	OECD 404	
1,2-Benzisothiazol-3(2H)-one	Irritating to skin			
2-Methyl-2H-isothiazol-3-one	Corrosive	Rabbit		

**Serious eye damage/irritation**

Component	Result	Species	Method	Exposure hours
Sodium Xylene Sulphonate	Moderate irritating	Rabbit	OECD 405	
Sodium Nitrite	Irritating to eyes	Rabbit	OECD 405	
Sodium Sulphate	No data available			
Sodium Hydroxide	Risk of serious damage to eyes			
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Causes serious eye damage			
1,2-Benzisothiazol-3(2H)-one	Risk of serious damage to eyes			
2-Methyl-2H-isothiazol-3-one	Corrosive	Rabbit		

**Respiratory or skin sensitisation**

Component	Result	Species	Method	Exposure hours
Sodium Xylene Sulphonate	Not sensitising	Guinea pig	OECD 406	
Sodium Nitrite	Not sensitising			
Sodium Sulphate	Not sensitising			
Sodium Hydroxide	Does not cause skin sensitisation			
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Not sensitising	Guinea pig	OECD 406	
1,2-Benzisothiazol-3(2H)-one	May cause sensitisation by skin contact.			
2-Methyl-2H-isothiazol-3-one	Causes sensitisation	Guinea pig		

**Germ cell mutagenicity**

Component	Result	Method (in-vito)	Result	Method (in-vivo)
Sodium Xylene Sulphonate	Negative	EPA OPPTS OPPTS 870.5375 - In vitro mammalian chromosome aberration test	Negative	EPA OPPTS EPA OPPTS 870.5265 OECD 474 Mammalian Erythrocyte Micronucleus test
Sodium Nitrite	The data available on mutagenic action are not consistent			
Sodium Sulphate	Not mutagenic in Ames Test	OECD 471		
Sodium Hydroxide	In vitro tests did not show mutagenic effects		In vivo tests did not show mutagenic effects.	
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Not mutagenic in Ames Test	OECD 471		

1,2-Benzisothiazol-3(2H)-one	No data available			
2-Methyl-2H-isothiazol-3-one	Not mutagenic in Ames Test	OECD 471		

#### Carcinogenicity

Component	Effects
Sodium Xylene Sulphonate	Negative result in OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies test.
Sodium Nitrite	In long-term studies in rats and mice in which the substance was given by drinking water, a carcinogenic effect was not observed. Under certain conditions nitrites can enhance the formation of nitrosamines in vivo. Nitrosamines are carcinogenic in animal studies.
Sodium Sulphate	No data available.
Sodium Hydroxide	No data available. Study scientifically not necessary
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Animal testing did show any carcinogenic effects.
1,2-Benzisothiazol-3(2H)-one	No data available.
2-Methyl-2H-isothiazol-3-one	Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.

#### Reproductive toxicity

Component	Effects
Sodium Xylene Sulphonate	In accordance with column 2 of Annex VII-X of Regulation (EC) No 1907/2006, the test for this property of the substance does not need to be conducted.
Sodium Nitrite	The results of animal studies gave no indication of a fertility impairing effect.
Sodium Sulphate	No impairment of fertility has been observed.
Sodium Hydroxide	No data available.
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	No toxicity to reproduction
1,2-Benzisothiazol-3(2H)-one	No data available.
2-Methyl-2H-isothiazol-3-one	No data available.

#### STOT-Single Exposure

Component	Affected organ(s)
Sodium Xylene Sulphonate	No data available.
Sodium Nitrite	No data available.
Sodium Sulphate	No data available.
Sodium Hydroxide	No data available.
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	No data available.
1,2-Benzisothiazol-3(2H)-one	No data available.
2-Methyl-2H-isothiazol-3-one	No data available.

#### STOT- Repeated Exposure

Component	Affected organ(s)
Sodium Xylene Sulphonate	No data available.
Sodium Nitrite	After repeated administration the prominent effect is damage of the blood (methemoglobin formation)
Sodium Sulphate	No data available.
Sodium Hydroxide	No data available.
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Kidney. May cause damage through prolonged or repeated exposure.
1,2-Benzisothiazol-3(2H)-one	No data available.
2-Methyl-2H-isothiazol-3-one	No data available.

## Section 12: Ecological information

### 12.1 Toxicity

#### Toxicity to Fish

Component	Test	Endpoint	Exposure	Result	M factor
Sodium Xylene Sulphonate	EPA OPPTS EPA OTS 797.1400	Acute LC50	96 hours static	>1000 mg/l	
Sodium Nitrite		Acute LC50 (Rainbow Trout)	96 hours	0,54 mg/l	
Sodium Sulphate		Acute LC50	96 hours	7,96 mg/l	
Sodium Hydroxide		Acute LC50	96 hours	33-189 mg/l	
		Acute LC50 (Rainbow Trout)	96 hours	45.5 mg/l	
		Acute LC50 Freshwater Fish (Mosquito Fish)	96 hours	125 mg/l	
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine		Acute LC50 (Bluegill sunfish)	96 hours	0,45 mg/l	10 (Acute aquatic toxicity)
1,2-Benzisothiazol-3(2H)-one	OECD Test Guideline 201	Acute LC50 (Rainbow Trout)	96 hours	2,18 mg/l	1 (Acute aquatic toxicity)
2-Methyl-2H-isothiazol-3-one		Acute LC50 (Rainbow Trout)	96 hours	4,77 mg/l	1 (Acute aquatic toxicity)

#### Toxicity to daphnia and other aquatic invertebrates

Component	Test	Endpoint	Exposure	Result	M factor
Sodium Xylene Sulphonate	EPA OPPTS EPA OTS 797.1300	Acute EC50 (Freshwater Daphnids)	48 hours static	>1000 mg/l	
Sodium Nitrite		Acute EC50	96 hours	4,93 mg/l	
		Acute EC50 (Daphnia magna)	48 hours	15.4 mg/l	
		Chronic NOEC (Daphnia magna)		9.86 mg/l	
Sodium Sulphate		Chronic EC50	7 days	>8.080	
Sodium Hydroxide		Acute EC50 (Daphnia magna)	48 hours	40-240 mg/l	
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	OECD Test Guideline 211	Acute EC50 (Daphnia magna)	48 hours	0,073 mg/l	10 (Acute aquatic toxicity)
		Chronic NOEC (Daphnia magna)	21 days	0,024 mg/l	1 (Chronic aquatic toxicity)
1,2-Benzisothiazol-3(2H)-one	OECD Test Guideline 202	Acute EC50 (Daphnia magna)	48 hours	2,94 mg/l	1 (Acute aquatic toxicity)
2-Methyl-2H-isothiazol-3-one	OECD Test Guideline 211	Acute EC50 (Daphnia magna)	48 hours	0,93 - 1,9 mg/l	1 (Acute aquatic toxicity)
		Chronic NOEC (marine diatom)	21 days	0,04 mg/l	

#### Toxicity to algae

Component	Test	Endpoint	Exposure	Result	M factor
Sodium Xylene Sulphonate	EPA OPPTS EPA OTS 797.1050	Acute Ebc50 (biomass)	96 hours static	>230 mg/l	
	EPA OPPTS	Chronic NOEC	96 hours static	31 mg/l	
Sodium Nitrite		Acute EC50 (green algae)	72 hours	>100 mg/l	
Sodium Sulphate		EC/LC50		1900 ml	
Sodium Hydroxide	No data available				
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	OECD Test Guideline 201	Acute ErC10 (green algae)	72 hours	0,012 mg/l	10 (Acute aquatic toxicity)
		Chronic NOEC (green algae)	72 hours	0,01 mg/l	1 (Chronic aquatic toxicity)
1,2-Benzisothiazol-3(2H)-one	OECD Test Guideline 201	Acute ErC50 (green algae)	72 hours	0,11 mg/l	1 (Acute aquatic toxicity)
		Chronic NOEC (marine diatom)	72 hours	0,027 mg/l	

2-Methyl-2H-isothiazol-3-one		Acute EC50 (green algae)	72 hours	0,158 mg/l	1 (Acute aquatic toxicity)
------------------------------	--	-----------------------------	----------	------------	----------------------------

### 12.2 Persistence and degradability

#### Component

Sodium Xylene Sulphonate	Readily biodegradable, according to appropriate OECD test., OECD Test Guideline 301B
Sodium Nitrite	Contains mainly inorganic substances which are not biodegradable.
Sodium Sulphate	Contains only inorganic substances which are not biodegradable.
Sodium Hydroxide	Contains only inorganic substances which are not biodegradable.
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	rapidly biodegradable, Biodegradation: 79 %, Exposure time: 28 d, OECD Test Guideline 301D
1,2-Benzisothiazol-3(2H)-one	Readily biodegradable, according to appropriate OECD test., OECD Test Guideline 301B
2-Methyl-2H-isothiazol-3-one	biodegradable 2-methyl-2H-isothiazol-3-one: t1/2 aerobic = 0.38 - 1.4d

### 12.3 Bioaccumulative degradability

#### Component

Sodium Xylene Sulphonate	Partition coefficient: n-octanol/water log Pow -3,12
Sodium Nitrite	Does not bioaccumulate
Sodium Sulphate	Partition coefficient: n-octanol/water log Pow -4,38 BCF 0,5
Sodium Hydroxide	Bioaccumulation is unlikely
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	Bioaccumulation no data available Partition coefficient: n-octanol/water log Pow -0,7
1,2-Benzisothiazol-3(2H)-one	Partition coefficient: n-octanol/water log Pow 1,3
2-Methyl-2H-isothiazol-3-one	Partition coefficient: n-octanol/water log Pow -0,486

### 12.4 Mobility in soil

#### Component

Sodium Xylene Sulphonate	No data available.
Sodium Nitrite	Soluble in water.
Sodium Sulphate	No data available.
Sodium Hydroxide	Soluble in water and may spread in water systems
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	After release, absorbs onto soil
1,2-Benzisothiazol-3(2H)-one	No data available.
2-Methyl-2H-isothiazol-3-one	No data available.

### 12.5 Results of PBT and vPvB assessment

#### Product

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB)

### 12.6 Other adverse effects

No other adverse effects known.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Waste should not be disposed of by release into sewers.

#### 13.1.1 Waste code according to LoW

The suitable codes for the product are 17 04 05 and 20 01 30.  
Disposal should be in accordance with local, state or national legislation.

The suitable code for the packaging is 15 01 02.  
Disposal should be in accordance with local, state or national legislation.

## Section 14: Transport information

### Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number:		Non-dangerous goods.
14.2 UN proper shipping name:		Non-dangerous goods.
14.3 Transport hazard class(es):	Class:-	Non-dangerous goods.
14.4 Packaging group:		Non-dangerous goods.
14.5 Environmental hazards:		Non-dangerous goods.
14.6 Special precaution 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

#### Regulation

Regulation (EC) No. 1272/2008 (CLP) Contains 2-Methyl-2H-isothiazol-3-one; 1,2-Benzisothiazol-3(2H)-one.  
May produce an allergic reaction.

Detergent Regulation 648/2004/EC Labelling requirements in accordance with Annex VII.  
More than 30% Soap  
Less than 5% Anionic surfactant  
Also contains Laurylamine Dipropylenediamine, Benzisothiazolinone and Methylisothiazolinone.

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required.

## Section 16: Other information

### Full text of H-Statements referred to under sections 2 and 3

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic 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.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains 2-Methyl-2H-isothiazol-3-one; 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

#### CLP hazard classes

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Met. Corr.	Metal corrosion
Ox. Sol.	Oxidising solid
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity – single exposure

#### Abbreviations and acronyms:

ADR	Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European Agreement Concerning the International Carriage of Dangerous Goods by Road; EU)
BCF	BioConcentration Factor
bw	Body weight
C	Concentration
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures.
DNEL	Derived No Effect Level
EbC50	The concentration of test substance which results in a 50 percent reduction in biomass growth relative to the control within 72hrs exposure.
EC No.	Number of a substance in either EINECS, ELINCS or the NLP List.
EC	European Commission
EC50	50% of maximal Effective Concentration
ErC10	The concentration of test substance which results in a 10 percent reduction in growth rate relative to the control within 72hrs exposure.
ErC50	The concentration of test substance which results in a 50 percent reduction in growth rate relative to the control within 72hrs exposure.
EINECS	European list of those substances considered to exist in the common market between 1 January 1971 and 18 September 1981.
ELINCS	European list of notified new substances.
EPA OPPTS	United States Environmental Protection Agency Office of Prevention, Pesticides and Toxic Substances. Guidelines published before April 22, 2010.
EU	European Union
EU Index Number	The identification code given to a substance in CLP Annex VI, Part 3.
EUH	European Union supplementary hazard statement to the GHS classification system
GHS	UN Globally Harmonized System of Classification and Labeling of Chemicals
IATA-DGR	International Air Transport Association - Dangerous Goods Regulation
IBC	International Bulk Chemical Code, which sets out the international standards for the safe carriage, in bulk by sea, of dangerous chemicals and noxious liquid substances.
ICAO-TI	International Civil Aviation Organization – Technical Instructions
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration to 50% of a test population (Median Lethal Dose)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LoW	List of Waste in accordance with the European List of Waste (Commission Decision 2000/532/EC) and Commission Regulation (EU) No 1357/2014 of 18 December 2014
M	M-factor
M-factor	Multiplying factor for substances that are highly toxic to aquatic environment

MARPOL	Marine Pollution, International Convention for The Prevention of Pollution from Ships.
NLP	No-longer Polymers List is a European list of substances that were on the common market between 18 September 1981 and 31 October 1993 and at the time were regarded as polymers, but are no longer regarded as such.
mg/l	milligram per litre
mg/m <sup>3</sup>	milligram per cubic metre
NOEC	No Observable Effect Level
OECD	Organisation for Economic Co-operation and Development
ppm	Parts per million
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
Pow	Octanol-water partition coefficient
SCL	Specific concentration limit
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006 concerning chemicals manufactured in or imported into the European Union.
REACH No.	REACH registration number, without supplier specific part.
RID	Règlement concernant le transport international ferroviaire des marchandises dangereuses. Regulation concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
vPvB	Very Persistent and very Bioaccumulative

**End of safety data sheet**