

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

**1.1. Product identifier**

Product form : Mixture  
Product name : Mulan Citro  
Product code : 612  
Type of product : Detergent  
Product group : Mixture

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

**1.2.1. Relevant identified uses**

Main use category : Professional use  
Use of the substance/mixture : Degreaser

**1.2.2. Uses advised against**

No additional information available

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

**Manufacturer**

Christeyns NV  
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9000 GENT - Belgium  
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[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

**Distributor**

Christeyns Technologies Ltd.  
Mazars, Block 3, Harcourt Centre, Harcourt Road  
2 Dublin - Ireland  
T Tel: +353 1 8146022

**Distributor**

Christeyns Ltd.  
Rutland Street  
P.O. Box Bradford BD4 7EA - UK  
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T +44 (0)1274 39 32 86 - F +44 (0)1274 30 91 43  
[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

**Distributor**

Christeyns Food Hygiene Ltd.  
2, Cameron Court, Winwick Quay  
WA2 8RE Warrington - United Kingdom  
T +44(0)1925 234693 - F +44(0)1925 234693  
[UK-foodinfo@christeyns.com](mailto:UK-foodinfo@christeyns.com) - [www.christeyns.com](http://www.christeyns.com)

**1.4. Emergency telephone number**

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Acute Tox. 4 (Oral) H302  
Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Skin Sens. 1 H317  
Aquatic Acute 1 H400  
Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



CLP Signal word

: Danger

Contains

: Ethoxylated Alcohol; Ethoxylated Alcohol; Terpene, monocyclic; 2-butoxyethanol

Hazard statements (CLP)

: H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear protective clothing, eye protection, face protection.  
P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P391 - Collect spillage.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethoxylated Alcohol	(CAS-no) 157627-86-6 (Einecs nr) 500-337-8/500-213-3/500-195-7/500-201-8 /500-221-7/500-457-0 (REACH-no) Exempted (polymer)	30 – 60	Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Eye Dam. 1, H318 Aquatic Chronic 3, H412
Ethoxylated Alcohol	(CAS-no) 160901-19-9 (Einecs nr) 500-337-8/500-457-0/500-221-7/500-213-3 (EG annex nr) / (REACH-no) Exempted	10 – 30	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
2-butoxyethanol substance with national workplace exposure limit(s) (GB, IE); substance with a Community workplace exposure limit	(CAS-no) 111-76-2 (Einecs nr) 203-905-0 (EG annex nr) 603-014-00-0 (REACH-no) 01-2119475108-36	10 – 30	Acute Tox. 4 (Oral), H302 (ATE=1300 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319
(2-methoxymethylethoxy)propanol substance with national workplace exposure limit(s) (GB, IE); substance with a Community workplace exposure limit	(CAS-no) 34590-94-8 (Einecs nr) 252-104-2 (REACH-no) 01-2119450011-60	1 – 3	Not classified
Terpene, monocyclic	(CAS-no) 5989-27-5 (Einecs nr) 227-813-5 (EG annex nr) 601-029-00-7 (REACH-no) 01-2119529223-47	1 – 3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General advice	: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	: Take victim to fresh air, in a quiet place and if necessary take medical advice.
Skin contact	: In case of faintness or symptoms of skin irritation appear, take medical advice. Wash off with plenty of water. Immediately remove contaminated clothing or footwear.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Acute effects inhalation	: Presents no particular risk when handled in accordance with good occupational hygiene practice.
Acute effects skin	: Causes skin irritation. May cause an allergic skin reaction.
Acute effects eyes	: Causes serious eye damage.
Acute effects oral route	: Harmful if swallowed.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.

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

Explosion hazard : Not applicable.

#### 5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Do not contaminate ground and surface water. Prevent entry to sewers and public waters.

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

Methods for cleaning up : Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : After use, container has to be completely emptied and closed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hygiene measures : Do not eat, drink or smoke when using this product.

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

Storage conditions : Keep only in original container. Keep out of frost.

Material(s) to avoid : Never mix with other materials.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

###### 2-butoxyethanol (111-76-2)

###### EU - Indicative Occupational Exposure Limit (IOEL)

Local name	2-Butoxyethanol
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<b>2-butoxyethanol (111-76-2)</b>	
IOEL TWA	98 mg/m <sup>3</sup>
IOEL TWA [ppm]	20 ppm
IOEL STEL	246 mg/m <sup>3</sup>
IOEL STEL [ppm]	50 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
<b>Ireland - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]
OEL TWA [1]	98 mg/m <sup>3</sup>
OEL TWA [2]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2020
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol
WEL TWA (OEL TWA) [1]	123 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	246 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	50 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>United Kingdom - Biological limit values</b>	
Local name	2-Butoxyethanol
BMGV	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m <sup>3</sup>
IOEL TWA [ppm]	50 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
<b>Ireland - Occupational Exposure Limits</b>	
Local name	(2-Methoxymethylethoxy)-l-propanol
OEL TWA [1]	308 mg/m <sup>3</sup>
OEL TWA [2]	50 ppm
Notes (IE)	Sk, IOELV
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	(2-methoxymethylethoxy) propanol

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<b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>	
WEL TWA (OEL TWA) [1]	308 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	50 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side-shields (EN 166)

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

##### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Ensure good ventilation

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Physical state/form	: Liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: Not available
Freezing point	: Not available
Boiling point/Boiling range	: $\geq 100$ °C
Flammability	: Not available
Explosive limits	: Not available

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Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 92 °C
Autoignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 8.2
Viscosity, kinematic	: 38 ± 10 mPa.s (20° C)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 0.96 kg/l
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 16.5 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Never mix with other materials.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Mulan Citro	
ATE CLP (oral)	659.977 mg/kg bodyweight

Ethoxylated Alcohol (157627-86-6)	
LD50 oral rat	300 – 2000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg

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<b>2-butoxyethanol (111-76-2)</b>	
LD50 oral rat	1300 mg/kg
LD50 dermal rat	1100 mg/kg
LC50 Inhalation - Rat [ppm]	4500
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h

<b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	13000 – 14000 mg/kg

<b>Terpene, monocyclic (5989-27-5)</b>	
LD50 oral rat	> 4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: Causes skin irritation. pH: 8.2
Serious eye damage/irritation	: Causes serious eye damage. pH: 8.2
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

<b>2-butoxyethanol (111-76-2)</b>	
IARC group	3 - Not classifiable

<b>Terpene, monocyclic (5989-27-5)</b>	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

<b>Mulan Citro</b>	
Viscosity, kinematic	38 ± 10 mPa.s (20° C)

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

<b>Ethoxylated Alcohol (157627-86-6)</b>	
LC50 - Fish [1]	1 – 10 mg/l
EC50 - Crustacea [1]	1 – 10 mg/l

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ErC50 other aquatic plants	1 – 10 mg/l
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### Ethoxylated Alcohol (160901-19-9)

LC50 - Fish [1]	0.1 – 1 mg/l (Danio rerio - OESO 203 - ECHA)
EC50 - Crustacea [1]	0.1 – 1 mg/l (Daphnia magna - ECHA)
ErC50 algae	0.1 – 1 mg/l
NOEC chronic fish	> 0.1 mg/l
NOEC chronic algae	0.14 mg/l (CESIO)

### 2-butoxyethanol (111-76-2)

LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	1550 mg/l Daphnia magna
EC50 72h - Algae [1]	1840 mg/l
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	100 mg/l Daphnia magna
NOEC chronic algae	130 mg/l

### (2-methoxymethylethoxy)propanol (34590-94-8)

EC50 - Crustacea [1]	1.919 mg/l
ErC50 other aquatic plants	> 969 mg/l

### Terpene, monocyclic (5989-27-5)

LC50 - Fish [1]	0.8 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	69.8 mg/l
ErC50 algae	150 mg/l

## 12.2. Persistence and degradability

### Mulan Citro

Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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### Ethoxylated Alcohol (157627-86-6)

Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
Biodegradation	≥ 90 % (mod. OECD 303A)

### Ethoxylated Alcohol (160901-19-9)

Persistence and degradability	Readily biodegradable.
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### 2-butoxyethanol (111-76-2)

Persistence and degradability	Biodegradable.
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### Terpene, monocyclic (5989-27-5)

Persistence and degradability	Not readily biodegradable.
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## 12.3. Bioaccumulative potential

### Ethoxylated Alcohol (160901-19-9)

Bioaccumulative potential	No bioaccumulation.
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2-butoxyethanol (111-76-2)	
Log Pow	0.8

Terpene, monocyclic (5989-27-5)	
BCF - Fish [1]	683.1
Bioaccumulative potential	Potentially bioaccumulable.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste / unused products




: Collect all waste in suitable and labelled containers and dispose according to local legislation.

European List of Waste (LoW) code

: 20 01 29\* - detergents containing dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
UN 3082	UN 3082	UN 3082
<b>14.2. UN proper shipping name</b>		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.
<b>Transport document description</b>		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol ethoxylate), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol ethoxylate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Fatty alcohol ethoxylate), 9, III
<b>14.3. Transport hazard class(es)</b>		
9	9	9
		
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		


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### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	: 

Tunnel code	: -
EAC code	: •3Z

#### Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03

#### Air transport

PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content	: 16.5 %
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Allergenic fragrances > 0,01%:

Terpene, monocyclic

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Detergent Regulation (648/2004/EC): Labelling of contents:	
Component	%
non-ionic surfactants	≥30%

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	SDS EU format	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	Skin contact	Modified	
4.1	Inhalation	Modified	
9.2	VOC content	Added	
11.1	ATE CLP (oral)	Modified	
15.1	VOC content	Added	
15.1	Regulatory reference	Modified	

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
ErC50 (algae)	ErC50 (algae)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
STP	Sewage treatment plant

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vPvB	Very Persistent and Very Bioaccumulative
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Other information : It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products. This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful 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.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Acute Tox. 4 (Oral)	H302	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.