

according to Regulation (EC) No. 1907/2006 and COMMISSION REGULATION (EU) 2015/830

Vel Ultra

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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.02.2020	660000010476	Date of first issue: 20.02.2020

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

1.1 Product identifier

Trade name	:	Vel Ultra B02956660003
Product code	:	200000059893
Unique Formula Identifier	:	URY0-C0V4-X00A-NAV7

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

Use of the Sub- stance/Mixture	:	dishwashing liquid
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1.3 Details of the supplier of the safety data sheet

Company	:	Colgate Palmolive A/S Bredevej 2A 2830 Virum, Denmark
Telephone	:	Phone: +45 43209200

E-mail address of person responsible for the SDS	:	 colgate_sds@colpal.com
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1.4 Emergency telephone number

CHEMTREC Denmark : +(45)-69918573
Emergency number : 82121212
Global-CHEMTREC- +1 703-741-5970

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.

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1.0	20.02.2020	660000010476	Date of first issue: 20.02.2020

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements :
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :
P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

EUH208 Contains D-LIMONENE. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
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Version 1.0	Revision Date: 20.02.2020	SDS Number: 660000010476	Date of last issue: - Date of first issue: 20.02.2020
----------------	------------------------------	-----------------------------	--

	EC-No. Index-No. Registration number		(% w/w)
Sodium Laureth Sulfate	68891-38-3 500-234-8 01-2119488639-16	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 10 - < 20
Cocamidopropyl Betaine	61789-40-0 263-058-8	Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412 M-Factor (Acute aquatic toxicity): 1	>= 3 - < 10
Lactic acid	79-33-4 201-196-2 01-2119474164-39- 0000	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3
D-LIMONENE	5989-27-5 227-813-5 601-029-00-7 01-2119529223-47- 0000	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0,1 - < 0,25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- | | | |
|-------------------------|---|--|
| General advice | : | Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended. |
| If inhaled | : | If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : | If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes. |

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Version 1.0	Revision Date: 20.02.2020	SDS Number: 660000010476	Date of last issue: - Date of first issue: 20.02.2020
----------------	------------------------------	-----------------------------	--

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Neutralize with chalk, alkali solution or ammonia.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : Do not store near acids.

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Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning products

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
D-LIMONENE	5989-27-5	GV	25 ppm	DK OEL
Further information	Guiding list of organic solvents.			

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : pink

pH : 3,5

Flash point : > 93,33 °C

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9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

Sodium Laureth Sulfate:

Acute oral toxicity : LD50 Oral (Rat): 4.100 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

Cocamidopropyl Betaine:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

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----------------	------------------------------	-----------------------------	--

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50: > 2.000 mg/kg

Lactic acid:

Acute oral toxicity : LD50 (Rat): 3.730 mg/kg

Acute inhalation toxicity : LC50 (Rat): 7,94 mg/l
Exposure time: 4 h
Test atmosphere: No information available.
Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: No information available.

D-LIMONENE:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Skin corrosion/irritation

Causes skin irritation.

Components:

Sodium Laureth Sulfate:

Species : Rabbit
Result : irritating

Remarks : Extremely corrosive and destructive to tissue.

Cocamidopropyl Betaine:

Result : Skin irritation

Lactic acid:

Assessment : Causes severe burns.

D-LIMONENE:

Result : Irritating to skin.

Remarks : May cause skin irritation and/or dermatitis.

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Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Sodium Laureth Sulfate:

Result	: Irreversible effects on the eye
Remarks	: May cause irreversible eye damage.

Cocamidopropyl Betaine:

Result	: Irreversible effects on the eye
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Lactic acid:

Result	: Risk of serious damage to eyes.
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D-LIMONENE:

Result	: No eye irritation
Remarks	: Vapours may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Sodium Laureth Sulfate:

Exposure routes	: Dermal
Species	: Guinea pig
Result	: Not a skin sensitizer.

Exposure routes	: Inhalation
Remarks	: No data available

Cocamidopropyl Betaine:

Exposure routes	: Dermal
Result	: Not a skin sensitizer.

Lactic acid:

Exposure routes	: Inhalation
Result	: Does not cause respiratory sensitisation.

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----------------	------------------------------	-----------------------------	--

Exposure routes : Dermal
Result : Does not cause skin sensitisation.

D-LIMONENE:

Exposure routes : Inhalation
Remarks : No data available

Exposure routes : Dermal
Result : May cause sensitisation by skin contact.

Remarks : Causes sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 2 of the SDS.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Sodium Laureth Sulfate:

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Toxicity to fish	:	LC50 (Fish): 7,1 mg/l Exposure time: 96 hrs	
Toxicity to daphnia and other aquatic invertebrates	:	7,4 mg/l Exposure time: 48 h EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Test Type: static test Method: OECD Test Guideline 202	
Toxicity to fish (Chronic toxicity)	:	NOEC: 0,14 mg/l Species: Oncorhynchus mykiss (rainbow trout)	
Cocamidopropyl Betaine:			
Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): 2 mg/l Exposure time: 96 h Test Type: static test	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna Straus): 6,4 mg/l Exposure time: 48 h	
Toxicity to algae/aquatic plants	:	EC50 (algae): Exposure time: 48 h Test Type: static test	
M-Factor (Acute aquatic toxicity)	:	1	
Toxicity to fish (Chronic toxicity)	:	NOEC: 0,16 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout)	
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0,9 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211	
Lactic acid:			
Toxicity to fish	:	LC50 (Fish): 320 mg/l Exposure time: 48 h	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 240 mg/l Exposure time: 48 h	
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 3.500 mg/l Exposure time: 72 h	
Toxicity to fish (Chronic toxicity)	:	No data available:	

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----------------	------------------------------	-----------------------------	--

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:

D-LIMONENE:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,845 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 0,36 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 150 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : No data available:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:

M-Factor (Chronic aquatic toxicity) : 1

12.2 Persistence and degradability

Components:

Sodium Laureth Sulfate:

Biodegradability : Result: Readily biodegradable.

Cocamidopropyl Betaine:

Biodegradability : Result: Readily biodegradable.

Lactic acid:

Biodegradability : Result: Readily biodegradable.

D-LIMONENE:

Biodegradability : Result: Readily biodegradable.

12.3 Bioaccumulative potential

Components:

Sodium Laureth Sulfate:

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Version 1.0	Revision Date: 20.02.2020	SDS Number: 660000010476	Date of last issue: - Date of first issue: 20.02.2020
----------------	------------------------------	-----------------------------	--

Bioaccumulation : Remarks: No data available

Cocamidopropyl Betaine:

Bioaccumulation : Bioconcentration factor (BCF): 70,79

Partition coefficient: n-octanol/water : log Pow: -1,28

Lactic acid:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -0,65

D-LIMONENE:

Bioaccumulation : Bioconcentration factor (BCF): 864,8

Partition coefficient: n-octanol/water : log Pow: 4,38

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

Components:

Sodium Laureth Sulfate:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.02.2020	660000010476	Date of first issue: 20.02.2020

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- | | | |
|------------------------|---|--|
| Product | : | The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers. |
-

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable()

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

No

14.6 Special precautions for user

No information available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.02.2020	660000010476	Date of first issue: 20.02.2020

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

Other regulations:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H226	: Flammable liquid and vapour.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
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.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
DK OEL	: Denmark. Occupational Exposure Limits
DK OEL / GV	: Long term exposure limit

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Version 1.0	Revision Date: 20.02.2020	SDS Number: 660000010476	Date of last issue: - Date of first issue: 20.02.2020
----------------	------------------------------	-----------------------------	--

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Aquatic Chronic 3 H412

Classification procedure:

Calculation method

Expert judgement and weight of evidence determination.

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

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Version	Revision	Date:	SDS Number:	Date of last issue: -
1.0	20.02.2020		660000010476	Date of first issue: 20.02.2020

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DK / EN