

According to Regulation (EU) No 2020/878

#### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : SHELL AIR FRESHENER VANILLA

Product code : CRX723, AL61A

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

Application : SU21 Consumer product. PC3 Air care products for vehicles. Airfreshener.

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl Polska Sp. z o. o.

Al. Jerozolimskie 146 02-305 Warszawa, Poland

Telephone : +48 22 822 5390
E-mail : msds@kemetyl.com
Website : www.kemetyl.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

PL - Telephone : +48 22 822 5390 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

Poisons Information Center +354 543 22 22 (24/7)

#### SECTION 2 HAZARDS IDENTIFICATION

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

CLP classification : Skin sensitization, category 1. Hazardous to the aquatic environment — Chronic category 3.

(1272/2008/EC)

Human health hazards : May cause an allergic skin reaction.

Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.

Environmental hazards : Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms



Signal word : Warning

H- and P-phrases : H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P273 Avoid release to the environment.

P280 gloves Wear protective gloves.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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P501

Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms

**!**>

Signal word : Warning

H- and P-phrases : H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P280 gloves Wear protective gloves.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

#### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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#### 3.2. Mixtures

Product description : Mixture. Information on hazardous substances:

Substance name	Concentration	CAS nr.	EC number	Remark	REACH nr.
	(w/w) (%)				
2,2,4,6,6-Pentamethylheptane	< 7,5	13475-82-6	236-757-0		01-2119490725-29
3-Methoxy-3-methylbutan-1-ol	< 5	56539-66-3	260-252-4		01-2119976333-33
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-	< 1,25	1222-05-5	214-946-9		01-2119488227-29
hexamethylindeno[5,6-c]pyran					
Benzyl benzoate	< 1,25	120-51-4	204-402-9		01-2119976371-33
4-(4-Hydroxy-4-methylpentyl)cyclohex-	< 1	31906-04-4	250-863-4		
3-enecarbaldehyde					
Reaction mass of: (E)-oxacyclohexa-	< 0,5	34902-57-3	422-320-3		01-0000016883-62
dec-12-en-2-one; (E)-oxacyclohexadec					
-13-en-2-one					

Substance name	Hazard Class	H-phrases	Pictograms	
2,2,4,6,6-Pentamethylheptane	Flam. Liq. 3; Asp. Tox.	H226; H304; H413	GHS02; GHS08	
	1; Aquatic Chronic 4			
3-Methoxy-3-methylbutan-1-ol	Eye Irrit. 2	H319	GHS07	
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-	Aquatic Acute 1;	H400; H410	GHS09	M (chronic) = 1
hexamethylindeno[5,6-c]pyran	Aquatic Chronic 1			
Benzyl benzoate	Acute Tox. 4; Aquatic	H302; H400; H411	GHS07; GHS09	M (acute) = 1
	Acute 1; Aquatic			
	Chronic 2			
4-(4-Hydroxy-4-methylpentyl)cyclohex-	Skin Sens. 1A	H317	GHS07	
3-enecarbaldehyde				

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Reaction mass of: (E)-oxacyclohexa- Aquatic Acute 1; H400; H410 GHS09 M (acute) = 1 dec-12-en-2-one; (E)-oxacyclohexadec Aquatic Chronic 1 M (chronic) = 1 -13-en-2-one

Reference is made to chapter 16 for full text of each relevant H phrase.

#### SECTION 4 FIRST-AID MEASURES

#### 4.1. Description of first aid measures

First aid measures

Inhalation : Not applicable under normal conditions of use. Consult a doctor if victim feels unwell.

Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.

Consult a doctor if irritation occurs.

Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.

Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth

to an unconscious person. Consult a doctor if victim feels unwell.

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

Effects and symptoms

Inhalation : No specific effects and/or symptoms are known.

Skin contact : May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry

skin.

Eye contact : May cause stinging of eyes and redness.

Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians : None known.

#### SECTION 5 FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media

Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog. Not suitable : Water jet. Use of heavy stream of water may spread fire.

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

Special exposure hazards : None known.

Hazardous thermal : Carbon monoxide may be evolved if incomplete combustion occurs.

decomposition products

#### 5.3. Advice for firefighters

Special protective : Use adequate respiratory equipment in case of insufficient ventilation.

equipment for fire-fighters

### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with

spilled or released material.

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#### 6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills:

contain with dike. Waste product should not be allowed to contaminate soil or water.

Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to

occur.

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

: Collect spilled material in containers. Dispose at an authorised waste collection point. Wash away Methods for cleaning up

remainder with plenty of water and soap.

#### 6.4. Reference to other sections

Reference to other sections: See also section 8.

#### **SECTION 7 HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas.

Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

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

: Keep in a cool, dry and well-ventilated place. Keep away from oxidizing agents. Storage

Recommended packaging : Keep only in the original container. : None known.

Non recommended

packaging

### 7.3. Specific end use(s)

Use : Use only as directed.

#### **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

Occupational exposure

limits

Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have

not been established for this product.

#### Derived no-effect level (DNEL) for workers:

Chemical name	Route of	DNEL, short-te	DNEL, short-term		DNEL, long-term	
	exposure					
	,	Local effect	Systemic effect	Local effect	Systemic effect	
3-Methoxy-3-methylbutan-1-ol	Inhalation Dermal				5,9 mg/m3 2 mg/kg bw/day	
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	Dermal				28,85 mg/kg bw/day	
Benzyl benzoate	Inhalation Inhalation Dermal		102 mg/m3		5,29 mg/m3 5,1 mg/m3 2,6 mg/kg bw/day	

#### Derived no-effect level (DNEL) for consumers:

Chemical name	Route of	DNEL, short-ter	m	DNEL, long-term	
	exposure				
		Local effect	Systemic effect	Local effect	Systemic effect

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3-Methoxy-3-methylbutan-1-ol	Inhalation		1	,7 mg/m3
	Dermal			,2 mg/kg bw/day
	Oral		l lo	),5 mg/kg bw/day
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-	Dermal		1	4,43 mg/kg bw/day
hexamethylindeno[5,6-c]pyran				
	Inhalation		1	,3 mg/m3
	Oral		l lo	),75 mg/kg bw/day
Benzyl benzoate	Inhalation	25 mg/m3		,25 mg/m3
	Dermal			,3 mg/kg bw/day
	Oral	78 mg/kg bw	[c	),4 mg/kg bw/day

#### Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-	Water	0,0044 mg/l	0,0004 mg/l	
hexamethylindeno[5,6-c]pyran				
	Sediment	2 mg/kg	0,394 mg/kg	
	Intermittent water			0,047 mg/l
	STP			1 mg/l
	Soil			0,31 mg/kg
	Oral			3,3 mg/kg food
Benzyl benzoate	Water	0,017 mg/l	0,002 mg/l	
	Sediment	10,66 mg/kg	1,07 mg/kg	
	STP			100 mg/l
	Soil			2,12 mg/kg

#### 8.2. Exposure controls

**Engineering measures** : Comply with standard precautionary measures for working with chemicals.

Hygienic measures When using do not eat, drink or smoke.

#### Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.





Body protection Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN

365/367 resp. 345. Suitable material: laminated film. Indication of permeation breakthrough time: 6

: Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale Respiratory protection

exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance

with EN 140.

Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: laminated film. ± 0,5

mm. Indication of permeation breakthrough time: 6 hours.

Eye protection Wear appropriate safety glasses when there is danger of possible eye contact.

#### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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

Physical state Impregnated material. : Liquid.

Colour Light yellow. Odour Perfumed. Odour threshold : Not known.

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pH : Not applicable.

Solubility in water : Not soluble.

Partition coefficient (n-oc- : Not known. Not measured. Not relevant for mixtures.

tanol/water)

Flash point : > 100 °C Closed cup.

Flammability (solid, gas) : Not applicable. Liquid. See flashpoint.

Auto ignition temperature : > 200 °C

Boiling point/boiling range : > 100 °C

Melting point/melting range : Not known.

Explosive properties : Not an explosive.

Explosion limits (% in air) : Not known. Lower explosion limit in air (%): 1,2 ( 3-Methoxy-3-methylbutan-1-ol )

Waterfree product.

Upper explosion limit in air (%): 13,1 ( 3-Methoxy-3-methylbutan-1-ol )

able. Does not contain oxidizing substances.

Oxidising properties : Not applicable. Decomposition temperature : Not applicable.

Viscosity (20°C) : Not known.

Viscosity (40°C) : Not relevant. The product contains < 10% substances having an aspiration hazard.

Vapour pressure (20°C) : Not known.

Relative vapour density : > 1 (air = 1)

Relative density (20°C) : 1 g/ml

Particle characteristics : Not applicable. Liquid.

9.2. Other information

Other information : Not relevant.

#### SECTION 10 STABILITY AND REACTIVITY

#### 10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition : Not known.

products

#### SECTION 11 TOXICOLOGICAL INFORMATION

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

No toxicological research has been carried out on this product. Inhalation

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Acute toxicity : Calculated LC50: no data mg/l. Ingredients of unknown toxicity: 3 %. ATE: > 5 mg/l. Low toxicity.

Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation

Not classified - based on available data, the classification criteria are not met.

Sensitisation Does not contain substances classified as respiratory sensitiser. Not classified - based on available

data, the classification criteria are not met.

Carcinogenicity Does not contain carcinogenic substances. Not classified - based on available data, the

classification criteria are not met.

Mutagenicity Does not contain mutagenic substances. Not classified - based on available data, the classification

criteria are not met.

Skin contact

Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw.

Low toxicity. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation Not classified - based on available data, the classification criteria are not met. Sensitisation May cause sensitisation by skin contact. May produce an allergic reaction.

Mutagenicity Does not contain mutagenic substances. Not classified - based on available data, the classification

criteria are not met.

Eye contact

Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not

met.

Ingestion

: Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Acute toxicity

Low toxicity. Not classified - based on available data, the classification criteria are not met.

Contains a substance/substances with an aspiration hazard. Not classified - based on available Aspiration

data, the classification criteria are not met.

: May cause a feeling of sickness, vomiting and diarrhoea. Corrosion/irritation

Does not contain carcinogenic substances. Not classified - based on available data, the Carcinogenicity

classification criteria are not met.

: Does not contain mutagenic substances. Not classified - based on available data, the classification Mutagenicity

criteria are not met.

Reprotoxicity Development: Not expected to be reprotoxic. Development: Not classified - Based on available

data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not

classified - based on available data, the classification criteria are not met.

#### Toxicological information:

Chemical name	Property		Method	Test animal
4-(4-Hydroxy-4-methylpentyl)cyclohex-	Genotoxicity - in vivo	Not genotoxic		Mouse
3-enecarbaldehyde				
	NOAEL (fertility, oral)	25 mg/kg bw/d		Rat
	Skin irritation	Irritant		Rabbit
	Skin irritation	Non-irritant	Patch test	Human
	LD50 (oral)	> 5000 mg/kg bw		Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	Eye irritation	Mildly irritant		Rabbit
	Skin sensitisation	4275 ug/cm2	OECD 429	Mouse

#### 11.2. Information on other hazards

Endocrine disrupting

: Not applicable.

properties

Other information : Not applicable.

#### **SECTION 12 ECOLOGICAL INFORMATION**

#### 12.1. Toxicity

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No ecotoxicological research has been carried out on this product.

Ecotoxicity : Harmful to aquatic organisms. Calculated LC50 (fish): 106 mg/l. Calculated EC50 (waterflea): 48

mg/l. Contains 0 % of components with unknown hazards to the aquatic environment.

#### 12.2. Persistence and degradability

Persistence – degradability: May cause long-term adverse effects in the aquatic environment.

#### 12.3. Bioaccumulative potential

Bioaccumulative potential : Contains bioaccumulating substances.

12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility.

#### 12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

#### 12.6. Endocrine disrupting properties

**Endocrine disrupting** 

: Not applicable.

properties

#### 12.7. Other adverse effects

Other adverse effects : Not applicable.

#### Ecological information:

Chemical name	Property		Method	Test animal
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	Ultimate aerobic biodegradation (%)	2 %	OECD 301 B	
	IC50 (algea)	> 0,85 mg/l	OECD 201	Pseudokirchnerella subcapitata
	NOEC (waterflea) - chronic	0,111 mg/l.d	OECD 202	Daphnia magna
	LC50 (fish)	1,36 mg/l	OECD 204	Lepomis macrochirus
	NOEC (fish)	0,068 mg/l.d	OECD 210	Pimephales promelas
	EC50 (waterflea)	0,47 mg/l		
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	Log P(ow)	5,9		
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	BCF	1584		
Reaction mass of: (E)- oxacyclohexadec-12-en-2-one; (E)- oxacyclohexadec-13-en-2-one	NOEC (fish)	0,52 mg/l	OECD 203	Oncorhynchus mykiss
	LC50 (fish)	2,0 mg/l	OECD 203	Oncorhynchus mykiss
	EC50 (waterflea)	0,48 mg/l	OECD 202	Daphnia magna
Reaction mass of: (E)- oxacyclohexadec-12-en-2-one; (E)- oxacyclohexadec-13-en-2-one	Log P(ow)	5,02		

### SECTION 13 DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat

product residues, impregnated wipes and non-empty pack as hazardous waste.

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Additional warning

: None.

Waste water discharge

Do not dispose into the environment, in drains or in water courses.

European waste catalogue :

Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Local regulations may be more stringent than regional or national requirements and must be

complied with.

#### SECTION 14 TRANSPORT INFORMATION

#### 14.1. UN number or ID number

UN nr. : None.

#### 14.2. UN proper shipping name

Transport name : Not regulated.

#### 14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID/ADN.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.

### 14.6. Special precautions for user

Other information : Country specific variations may apply.

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

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO)

instruments. Packaged liquids are not considered bulk.

#### SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other

regulations. Directive 2008/98/EC (waste).

#### 15.2. Chemical safety assessment

Chemical safety assessment

: Not applicable.

### SECTION 16 OTHER INFORMATION

#### 16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this

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product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE : Acute Toxicity Estimate

CLP : Classification, Labeling & Packaging

CMR : Carcinogenic, Mutagenic or toxic for Reproduction

EEC : European Economic Community

GHS : Globally Harmonized System of Classification and Labelling of Chemicals

IATA : International Air Transport Association IBC code : International Bulk Chemical Code

IMDG : International Maritime Dangerous Goods Code LD50/LC50 : Lethal Dose/Concentration for 50% of a population

MAC : Maximum Allowable Concentration

MARPOL : International Convention for the Prevention of Pollution From Ships

NO(A)EL : No Observed (Adverse) Effect Level

OECD : Organisation for Economic Co-operation and Development

PBT : Persistent, Bioaccumulative and Toxic

PC : Chemical product category

PT : Product type

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STP : Sewage Treatment Plant

SU : Sector of Use

TWA/STEL : Time-Weighted Average/Short Term Exposure Limit

UN : United Nations

UFI : Unique formula identifier
VOC : Volatile Organic Compounds

vPvB : Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Skin Sens. 1/1A/1B : Calculation method. Aquatic Chronic 3 : Calculation method.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 3 : Flammable liquid, category 3.

Acute Tox. 4 : Acute toxicity, category 4.

Eye Irrit. 2 : Eye irritation, category 2.

Skin Sens. 1/1A/1B : Skin sensitization, category 1/1A/1B. Asp. Tox. 1 : Aspiration hazard, category 1.

Aquatic Chronic 1 : Hazardous to the aquatic environment — Chronic category 1.

Aquatic Chronic 2 : Hazardous to the aquatic environment — Chronic category 2.

Aquatic Chronic 4 : Hazardous to the aquatic environment — Chronic category 4.

Aquatic Acute 1 : Hazardous to the aquatic environment — Acute category 1.

Full text of H-phrases mentioned in section 3:

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

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H319 Causes serious eye irritation. 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.
 H413 May cause long lasting harmful effects to aquatic life.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.

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