

Mr&Mrs FRAGRANCE	MATERIAL SAFETY DATA SHEET		BIG JOY
	FUCHSIA SOUR CHERRY		
Current revision date: 05/10/2022	Current revision number: 00	Previous revision date: -/-/-	Previous revision number: - -

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

### 1.1 Product identifier

Commercial name : FUCHSIA SOUR CHERRY  
 UFI : N2C0-M0QQ-C00W-DW2J  
 European product categorisation system (EuPCS): PC-AIR-4 - Air care products for vehicles

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

Uses	CONSUMER	PROFESSIONAL	INDUSTRIAL
		EVA air freshener for small rooms	

Uses advises against : All those not expressly identified on the label  
 Life cycle stages : C-Consumer use

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

Joy Fragrances s.r.l.  
 Via Gavinana, 14 - 21052 BUSTO ARSIZIO (VA) – Italy  
 tel. +39 0331 536942 - [www.mrandmrsfragrance.com](http://www.mrandmrsfragrance.com)  
 email competent person [info@joyfragrances.it](mailto:info@joyfragrances.it)

### 1.4 Emergency telephone number

Joy Fragrances s.r.l. - Tel +39 +39 0331 536942 – from 09,30 to 12,30 – from 15,30 to 19,30

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification in accordance with Regulation (EC) No 1272/2008:

The product is classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments), the product therefore requires a safety data sheet compliant with the provisions of Regulation (EU) 2020/878.

Hazard pictogram(s) : GHS07  
 Hazard Class and Notes Category Code(s) : Skin. Sens. 1, Aquatic Chronic 3  
 Hazard statement Code(s) : H317 - May cause an allergic skin reaction  
 H412 - Harmful to aquatic life with long lasting effects

#### 2.1.2 Adverse Effects

If brought into contact with the skin, the product may cause skin sensitization. The product is dangerous for the environment as it is harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### 2.2.1 Label in accordance with Regulation (EC) No 1272/2008

Hazard pictogram(s) : GHS07



Signal Word Code(s) : WARNING  
 Hazard statement Code(s) : H317 - May cause an allergic skin reaction  
 H412 - Harmful to aquatic life with long lasting effects

Suppl. Hazard statement Code(s) : Not applicable

#### Precautionary statements

##### General

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

##### Prevention

P264 - Wash hands thoroughly after handling  
 P273 - Avoid release to the environment.

##### Response

P302+P352 - IF ON SKIN: Wash with plenty of water  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

##### Disposal

P501 - Dispose of contents/container in accordance with local/ national regulation.  
 Contains: Tetramethyl Acetyloctahydronaphthalenes, Coumarine, Piperonal, Isolongifolanone.

**Other information:** It is not a toy. Do not swallow. Do not leave the product exposed in environments with temperatures above 70 ° C. Do not use the product for purposes other than those intended. Avoid contact with shiny or metallic surfaces.

#### 2.2.2 Additional regulations to be implemented on the label

Regulation (EC) 648/2004 : Not applicable  
 Regulation (EU) 528/2012 : Not applicable

### 2.3 Other hazards

The mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, annex XIII in concentrations equal to or greater than 0.1% by weight. The mixture does NOT contain substances that have been included in the list established in accordance with Article 59, paragraph 1 due to properties of interference with the endocrine system in concentrations equal to or greater than 0.1% by weight.

The mixture does NOT contain a substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations equal to or greater than 0.1% by weight.

Child-resistant packaging (ISO 8317\_ Child-resistant packaging - Requirements and testing procedures for reclosable packages) : **Not applicable**

Tactile warnings of danger (ISO 11683\_Packaging - Tactile warnings of danger - Requirements) : **Not applicable**

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant

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### 3.2 Mixtures

Refer to section 16 for the full text of the hazard statements.

Index number	EC/List n°.	CAS	REACH	International Chemical Identification	X= Conc. %
---	236-757-0	13475-82-6	01-2119490725-29	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)	2,0 ≤ x < 2,5
Hazard Class and Category Code(s), Hazard Statement Code(s)			Classification	Pictograms, Signal Word Code(s)	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Flam. Liq. 3 H226, Asp. Tox 1 H304, Aquatic Chronic 4 H413			Supplementary Hazard Statement Code(s)	GHS02, GHS08 - DANGER	--
---	268-978-3	68155-66-8	--	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)	2,0 ≤ x < 2,5
Hazard Class and Category Code(s), Hazard Statement Code(s)			Classification	Pictograms, Signal Word Code(s)	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 1 H410			Supplementary Hazard Statement Code(s)	GHS07, GHS09 - WARNING	M=1
---	204-465-2	121-33-5	01-2119516040-60	Vanillin	1,0 < x < 1,5
Hazard Class and Category Code(s), Hazard Statement Code(s)			Classification	Pictograms, Signal Word Code(s)	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Eye Irrit. 2 H319			Supplementary Hazard Statement Code(s)	GHS07 - WARNING	--
---	202-086-7	91-64-5	01-2119943756-26	Coumarine	0,45 < x < 0,50
Hazard Class and Category Code(s), Hazard Statement Code(s)			Classification	Pictograms, Signal Word Code(s)	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Acute Tox. 4 H302, Skin Sens. 1 H317, Aquatic Chronic 3 H412			Supplementary Hazard Statement Code(s)	GHS07 - WARNING	--
---	204-409-7	120-57-0	01-2119983608-21	Heliotropine / Piperonal (DRUG PRECURSOR)	0,20 < x < 0,25
Hazard Class and Category Code(s), Hazard Statement Code(s)			Classification	Pictograms, Signal Word Code(s)	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Skin Sens. 1B H317			Supplementary Hazard Statement Code(s)	GHS07 - WARNING	--
---	245-890-3	23787-90-8	01-2120136162-69	Isolongifolanone	0,20 < x < 0,25
Hazard Class and Category Code(s), Hazard Statement Code(s)			Classification	Pictograms, Signal Word Code(s)	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411			Supplementary Hazard Statement Code(s)	GHS07, GHS09 - WARNING	--

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First aid instructions divided according to the relevant routes of exposure. It is advisable for those who provide first aid to wear the personal protective equipment deemed appropriate.

#### Inhalation

Given the specificity of the product and the reduced quantities of substances released, no conditions are expected to require first aid measures.

#### Skin

Wash areas of the body that have come into contact with the product, even if only suspected, with plenty of water and soap.

#### Eyes

Given the particular structure of the product, accidental contacts are unpredictable and of predominantly traumatic and / or voluntary origin. In the eventuality, apply fresh compresses and, if the painful phenomena persist, contact the medical staff.

#### Ingestion

SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Data not available

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

See section 4.1 Description of first aid measures.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media :** Water spray, CO<sub>2</sub>, alcohol resistant foam, chemical powders depending on the materials involved in the fire.

**Unsuitable extinguishing media :** None in particular

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

During combustion, fumes potentially harmful to health may be produced. If exposed to the flame it catches fire and continues to burn with a dim flame even if removed from the heat source.

### 5.3 Advice for firefighters

Use protective clothing for the respiratory tract, eyes and skin. The sprayed water can be used to disperse the vapors and protect the people involved in the extinction. It is also advisable to use self-contained breathing apparatus, especially if you work in closed and poorly ventilated places. Wear the specific protective equipment of the firefighting team. Given the polymeric characteristic of the material, the possible presence of significant quantities of product in the environments involved in the fire, can be a source of risk in causing the reignition of the fire in the presence of oxygen since the internal layers can conserve heat. It is therefore necessary, in the event of a fire in environments where large quantities of product have been involved, to proceed to dissipate the heat retained inside.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel :** Move away from the area surrounding the spill or release. Not smoking.

**For emergency responders :** General information: Do not smoke. Use suitable personal protective equipment, see Section 8.

### 6.2 Environmental precautions

Contain leaks with inert material. Avoid dispersion and / or washout in the sewer system and surface waters. Dispose of the residue according to the regulations in force.

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

Collect the product for possible reuse or disposal.

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#### 6.4 Reference to other sections

Refer to sections 8 and 13 for more information

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Normal handling precautions for sensitizing chemicals, protecting yourself from any accidental contact. Do not smoke, eat, drink while handling.

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

How to manage risks associated with:

i) explosive atmospheres	Nothing to report
ii) corrosive conditions	Nothing to report
iii) flammability hazards	Nothing to report
iv) incompatible substances or mixtures	Avoid contact with solvents which could damage the product.
v) evaporative conditions	Keep in the original packaging, in well-ventilated areas at room temperature.
vi) potential ignition sources (including electrical equipment)	Keep away from open flames, sparks and sources of ignition in general. Appropriate maintenance of all electrical components of machines, systems and electrical installations in general can give a sufficient guarantee of reducing the fire risk.

How to control the effects of:

i) weather conditions	Store inside in a dry environment.
ii) ambient pressure	Nothing to report
iii) Temperature	Store at room temperature
iv) sunlight	Do not store in direct sunlight.
v) humidity	Store away from moisture.
vi) Vibration	Nothing to report.

How to maintain the integrity of the substance or mixture by the use of:

i) stabilisers	Not relevant
ii) antioxidants	Not relevant

Other advice including

i) ventilation requirements	Store in a cool and ventilated place.
ii) specific designs for storage rooms or vessels (including retention walls and ventilation)	Nothing to report
iii) quantity limits under storage conditions (if relevant)	Observe the provisions resulting from the risk assessment carried out by a qualified specialist.
iv) packaging compatibilities	Keep in original packaging.

#### 7.3 Specific end use(s)

Consumer uses: Follow the instructions on the label / box / information sheets.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Related to the substances contained

<b>Substance:</b>	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)								
<b>CAS:</b>	13475-82-6								
<b>GESTIS International Limit Values</b>									
	Limit value - Eight hours				Limit value - Short term				
	ppm		mg/m <sup>3</sup>		ppm		mg/m <sup>3</sup>		
	--		--		--		--		
	Remarks								
	--								
	<a href="https://echa.europa.eu/it/registration-dossier/-/registered-dossier/2110">https://echa.europa.eu/it/registration-dossier/-/registered-dossier/2110</a>								
	<b>DNEL (Workers)</b>				<b>DNEL (Population)</b>				
	Systemic		Local		Systemic		Local		
	Long term	Short term	Long term	Short term	Long term	Short term	Long term	Short term	
Inhalation	No hazard identified		No hazard identified		Inhalation	No hazard identified		No hazard identified	
Dermal	No hazard identified		No hazard identified		Dermal	No hazard identified		No hazard identified	
Oral	Not available		Not available		Oral	No hazard identified		Not available	
Eyes	Not available		No hazard identified		Eyes	Not available		No hazard identified	
<b>PNEC</b>									
	Freshwater	No data available: testing technically not feasible		Intermittent	No data available: testing technically not feasible		Marine water	No data available: testing technically not feasible	
	STP	No data available: testing technically not feasible		Sediment (freshwater)	No data available: testing technically not feasible		Sediment (marine water)	No data available: testing technically not feasible	
	Air	No hazard identified		Soil	No data available: testing technically not feasible		Hazard for predators	No data available: testing technically not feasible	

<b>Substance:</b>	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)							
<b>CAS:</b>	68155-66-8							
<b>GESTIS International Limit Values</b>								
	Limit value - Eight hours				Limit value - Short term			
	ppm		mg/m <sup>3</sup>		ppm		mg/m <sup>3</sup>	
	--		--		--		--	
	Remarks							
	--							
	https: --							
	<b>DNEL (Workers)</b>				<b>DNEL (Population)</b>			
	Systemic		Local		Systemic		Local	
	Long term	Short term	Long term	Short term	Long term	Short term	Long term	Short term
Inhalation	30 mg/m <sup>3</sup>	No hazard identified	No hazard identified		Inhalation	9 mg/m <sup>3</sup>	No hazard identified	

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Dermal	28.7 mg/kg bw/day	No hazard identified	648 µg/cm <sup>2</sup>	Low hazard (no threshold derived)	Dermal	17.2 mg/kg bw/day	No hazard identified	380 µg/cm <sup>2</sup>	Low hazard (no threshold derived)	
Oral	Not available		Not available		Oral	3 mg/kg bw/day	No hazard identified	Not available		
Eyes	Not available		No hazard identified		Eyes	Not available		No hazard identified		
<b>PNEC</b>										
Freshwater		4.4 µg/L	Intermittent		Not available		Marine water		0.44 µg/L	
STP		10 mg/L	Sediment (freshwater)		3.73 mg/kg sediment dw		Sediment (marine water)		0.75 mg/kg sediment dw	
Air		No hazard identified		Soil		2.7 mg/kg soil dw		Hazard for predators		26.7 mg/kg food
<b>Substance:</b>		Vanillin								
<b>CAS:</b>		121-33-5								
<b>GESTIS International Limit Values</b>										
		Limit value - Eight hours				Limit value - Short term				
		ppm		mg/m <sup>3</sup>		ppm		mg/m <sup>3</sup>		
		--		--		--		--		
		Remarks								
		--								
<b>Link DNEL value</b>		<a href="https://echa.europa.eu/it/registration-dossier/-/registered-dossier/2209">https://echa.europa.eu/it/registration-dossier/-/registered-dossier/2209</a>								
<b>DNEL (Workers)</b>					<b>DNEL (Population)</b>					
		Systemic		Local		Systemic		Local		
		Long term		Short term		Long term		Short term		
Inhalation	Hazard unknown (no further information necessary)			Low hazard (no threshold derived)		Inhalation	Hazard unknown (no further information necessary)			
Dermal	Hazard unknown (no further information necessary)		No hazard identified		No hazard identified		Dermal		Hazard unknown (no further information necessary)	
Oral	Not available		Not available		Not available		Oral		No hazard identified	
Eyes	Not available		Low hazard (no threshold derived)		Low hazard (no threshold derived)		Eyes		Not available	
<b>PNEC</b>										
Freshwater		0.118 mg/L		Intermittent		Not available		Marine water		0.012 mg/L
STP		10 mg/L		Sediment (freshwater)		58.22 mg/kg sediment dw		Sediment (marine water)		5.822 mg/kg sediment dw
Air		No hazard identified		Soil		11.54 mg/kg soil dw		Hazard for predators		No potential for bioaccumulation
<b>Substance:</b>		Coumarine								
<b>CAS:</b>		91-64-5								
<b>GESTIS International Limit Values</b>										
		Limit value - Eight hours				Limit value - Short term				
		ppm		mg/m <sup>3</sup>		ppm		mg/m <sup>3</sup>		
		--		--		--		--		
		Remarks								
		--								
<b>Link DNEL value</b>		<a href="https://echa.europa.eu/it/registration-dossier/-/registered-dossier/11472">https://echa.europa.eu/it/registration-dossier/-/registered-dossier/11472</a>								
<b>DNEL (Workers)</b>					<b>DNEL (Population)</b>					
		Systemic		Local		Systemic		Local		
		Long term		Short term		Long term		Short term		
Inhalation	6.78 mg/m <sup>3</sup>	Low hazard (no threshold derived)		No hazard identified		Inhalation	1.69 mg/m <sup>3</sup>	Hazard unknown (no further information necessary)		
Dermal	0.79 mg/kg bw/day	No DNEL required: short term exposure controlled by conditions for long-term		No hazard identified		Dermal	0.39 mg/kg bw/day	No DNEL required: short term exposure controlled by conditions for long-term		
Oral	Not available		Not available		Not available		Oral		0.39 mg/kg bw/day	
Eyes	Not available		No hazard identified		No hazard identified		Eyes		Not available	
<b>PNEC</b>										
Freshwater		19 µg/L		Intermittent		14.2 µg/L		Marine water		1.9 µg/L
STP		6.4 mg/L		Sediment (freshwater)		0.15 mg/kg sediment dw		Sediment (marine water)		0.015 mg/kg sediment dw
Air		No hazard identified		Soil		0.018 mg/kg soil dw		Hazard for predators		30.7 mg/kg food
<b>Substance:</b>		Heliotropine / Piperonal (DRUG PRECURSOR)								
<b>CAS:</b>		120-57-0								
<b>GESTIS International Limit Values</b>										
		Limit value - Eight hours				Limit value - Short term				
		ppm		mg/m <sup>3</sup>		ppm		mg/m <sup>3</sup>		
		--		--		--		--		
		Remarks								
		--								
<b>Link DNEL value</b>		<a href="https://echa.europa.eu/it/registration-dossier/-/registered-dossier/2209">https://echa.europa.eu/it/registration-dossier/-/registered-dossier/2209</a>								
<b>DNEL (Workers)</b>					<b>DNEL (Population)</b>					
		Systemic		Local		Systemic		Local		
		Long term		Short term		Long term		Short term		
Inhalation	17.6 mg/m <sup>3</sup>	No hazard identified		No hazard identified		Inhalation	4.3 mg/m <sup>3</sup>	No hazard identified		
Dermal	2.5 mg/kg bw/day	No hazard identified		Medium hazard (no threshold derived)		Dermal	1.25 mg/kg bw/day	No hazard identified		
Oral	Not available		Not available		Not available		Oral		1.25 mg/kg bw/day	
Eyes	Not available		No hazard identified		No hazard identified		Eyes		Not available	
<b>PNEC</b>										
Freshwater		2.5 µg/L		Intermittent		25 µg/L		Marine water		0.25 µg/L
STP		10 mg/L		Sediment (freshwater)		11.9 µg/kg sediment dw		Sediment (marine water)		1.2 µg/kg sediment dw
Air		No hazard identified		Soil		0.84 µg/kg soil dw		Hazard for predators		No potential for bioaccumulation

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Substance: Isolongifolanone		CAS: 23787-90-8						
GESTIS International Limit Values								
		Limit value - Eight hours		Limit value - Short term				
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>			
		--	--	--	--			
Remarks								
--								
<a href="https://echa.europa.eu/it/registration-dossier/-/registered-dossier/18407">https://echa.europa.eu/it/registration-dossier/-/registered-dossier/18407</a>								
DNEL (Workers)			DNEL (Population)					
Systemic		Local		Systemic		Local		
Long term		Short term		Long term		Short term		
Inhalation	Not available		Not available		Inhalation	Not available		
Dermal	Not available		Not available		Dermal	Not available		
Oral	Not available		Not available		Oral	Not available		
Eyes	Not available		Not available		Eyes	Not available		
PNEC								
Freshwater	Not available		Intermittent	Not available		Marine water	Not available	
STP	Not available		Sediment (freshwater)	Not available		Sediment (marine water)	Not available	
Air	Not available		Soil	Not available		Hazard for predators	Not available	

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

If, following the risk assessment and the adoption of preventive technical and / or organizational collective protection measures, it appears that there is still a residual risk for the worker, it is necessary to equip the worker with the Personal Protective Equipment.


The use of this mixture does not imply the application of Directive 2004/37 / EC on the protection of workers against the risks deriving from exposure to carcinogens or mutagens at work.

**Descriptor for Process categories:** PROC19 - Manual activities involving hand contact

### 8.2.2 Individual protection measures, such as personal protective equipment

The information below must be considered only as an aid to the Head of the Prevention and Protection Service as in addition to this mixture he will have to implement the choices on PPE also in consideration of the other chemical products present in the company used in each specific working phase.

#### a) EYE/FACE PROTECTION


PITTOGRAM	PPE	METHOD OF CHOOSING THE PPE				
		PROTECTION				
		RISK CHARACTERISTICS	Eyeglasses	Glasses with side shields	Mask glasses	Face shield
 <p>Eye and face protection devices</p>	PPE for the eyes are second category and must be provided with indelible CE marking and the number of the Notified Body that issued the certification. Their use is foreseen in all places where there is a risk of projections of solid bodies, liquids or optical radiation. For eyeglass wearers, it is possible to use over glasses if the duration of use is limited or to mount graduated lenses on safety frames. Operators wearing contact lenses must make their condition known in order to make it easier, if necessary, to remove them by first aid workers in case of need in an emergency. Standard EN166 Personal eye protection - Specifications	Frontal sketches	Good	Good	Excellent	Excellent
		Side sketches	Scarso	Good	Excellent	Good / Excellent
		Frontal splinters	Excellent	Good	Excellent	Excellent if of adequate thickness
		Side impacts	Scant	Fairly good	Excellent	It depends on the length
		Neck and face protection	Scant	Scant	Scant	Fairly good
		Wearability	Good / Very good	Good	Fairly good	Good (for short periods)
		Continuous use	Very good	Very good	Fairly good	Fairly good
		Acceptability for use	Very good	Good	Scant	Fairly good

The Head of the Prevention and Protection Service will assess the need to provide eyewash devices near the areas where the mixture is used.

#### IN NORMAL USE, NO PERSONAL PROTECTION DEVICES ARE PROVIDED

#### b) SKIN PROTECTION


##### i) Hand protection

PITTOGRAM	PPE	METHOD OF CHOOSING THE PPE				
		CHEMICAL PROTECTION				
		Type	Level	Time	Substances	
 <p>Gloves</p>	The choice of gloves depends on the worker's job, the characteristics of the glove and its biocompatibility. The "grip" must always be guaranteed. The general requirements for choosing the most suitable PPE are: harmlessness, ergonomics / comfort, dexterity, transmission and absorption of water vapor and cleaning. Regarding these requirements, the reference technical standard is UNI EN 420 - Protective gloves. General requirements and test methods. Gloves that protect against chemicals are regulated by EN374 - Protective gloves against chemicals and microorganisms. The basic requirements for this type of gloves are: penetration and permeation. Chemical protective gloves are divided into three categories: Type A, B and C; the belonging to which depends on the number of chemicals tested, from a list of 18 substances that have reached a defined permeation time. Gloves must be checked before use. The choice of gloves based on resistance must be made following the UNI EN 16523 standard - Determination of the resistance of materials to the permeation of chemical products. Use proper technique to remove gloves avoiding skin contact with the contaminated outer surface of the glove. After use, wash and dry your hands.	A	2	30 minutes	minimum 6	
		B	2	30 minutes	minimum 3	
		C	1	10 minutes	minimum 1	
		MATERIALS FOR PROTECTION FROM CHEMICAL AGENTS				
			LATEX	NEOPRENE	NITRILE	PVC
		Highlights	Excellent flexibility and tear resistance	Polyvalent chemical resistance: acids, aliphatic solvents. Good resistance to sunlight and ozone.	Excellent resistance to abrasion and perforation. Excellent resistance to hydrocarbon derivatives	Good resistance to acids and bases
Precautions	It can cause allergic reactions. Avoid contact with fatty oils and hydrocarbon derivatives.	Avoid contact with fatty oils and hydrocarbon derivatives	Avoid contact with solvents containing ketones and oxidizing acids, organic nitrogen products.	Weak mechanical resistance. Avoid contact with solvents containing ketones and aromatic solvents		


The Head of the Prevention and Protection Service will assess the need to provide protective devices.

#### USE WATERPROOF GLOVES



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ii) other

PITTOGRAM	PPE	METHOD OF CHOOSING THE PPE				
		DANGER	Full coverage garment		Partial coverage garment	
	Waterproof		Permeable to air	Waterproof	Permeable to air	
 Work clothing	<p>PPE for the body can be of different categories depending on their specific use. Under normal working conditions, normal work clothing offers characteristics that provide sufficient protection for workers. In activities presenting particular risks, specific "protective clothing" should be used which covers or replaces personal clothing and which is designed with specific protective characteristics. The basic requirements relating to the ergonomics and health of PPE for the body are: harmlessness of the materials, comfort and effectiveness factors, design, thermal resistance of the clothing and the characteristics of the operators. Please note that to ensure adequacy and mobility with full-coverage protective clothing, it is recommended that all operators carry out the "seven movements" test. Standard EN 13688 Protective clothing - General requirements</p>	Gas and fumes	A	NO	NO	NO
		Jets of liquids	A	NO	P	NO
		Splashes and splashes	A	P	P	P
		Dust	A	A	P	P
		Dirt	A	A	A	A
		NO: Indicates that the possibility is not compatible - A: suitable combination - P: combination that depends on external conditions The protective clothing against chemicals, depending on the barrier performance of the raw material used and the packaging of the garment, have different types of protection: Type 1 (gas-tight), Type 2 (non-watertight gas), Type 3 (liquid tight), Type 4 (splash tight), Type 5 (dust tight), Type 6 (limited liquid splash tight). The chemical risks are many and it is therefore necessary to choose the most appropriate garment, also considering that the materials can be both waterproof and permeable, evaluating the combination between the type of protection offered by the construction techniques and the design adopted for the realization of the garment. itself and the performance class from the raw material.				

If the Head of the Prevention and Protection Service deems it necessary, protective clothing can be worn in combination with an appropriate respiratory protection device and with boots, gloves or other means of protection.

**IN NORMAL USE, NO PERSONAL PROTECTION DEVICES ARE PROVIDED**


## c) RESPIRATORY PROTECTION

PITTOGRAM	PPE	METHOD OF CHOOSING THE PPE				
		DUST FILTERS				
		Efficiency	Dust class	RPD class and marking	Minimum total filtering efficiency	Protection
 RPD (Respiratory protective devices)	<p>PPE for respiratory protection are of the third category and must be provided with CE marking, the number of the Notified Body that issued the certification and must be provided only after information, training and specific training on their use. To define the type of RPD to use, pay attention to the oxygen rate present in the workplace, using the O<sub>2</sub> concentration of 17% as a limit. Carefully define the type of contaminant (Gas, steam / Dust, particles, viruses), its detection threshold and its use or not in a confined space.</p> <p>The UNI EN 529 standard (Respiratory protection devices - Recommendations for selection, use, care and maintenance - Guidance document) establishing the appropriate FPO value "operational protection factor" (eg use of face masks as per standard UNI EN149 - Respiratory protective devices - Filtering half mask against particles) can be a valid aid in determining the most correct PPE.</p>	LOW	Filters P1	Respirators FFP1	78%	Powders/Harmful aerosol
		AVERAGE	Filters P2	Respirators FFP2	92%	Powders/fumes/ low toxicity aerosol
		HIGH	Filters P3	Respirators FFP3	98%	Powders/fumes / Harmful aerosol
		GAS FILTERS				
		Capacity	Class	Maximum concentration		
		Low	1	Gas / vapor concentrations up to 1000 ppm		
		Average	2	Gas / vapor concentrations up to 5000 ppm		
		High	3	Gas / vapor concentrations up to 10000 ppm		
		TYPE OF FILTERS				
		Type	Protection			Filter color
		A	Organic gases and vapors with a boiling point > 65 ° C			BROWN
		B	Inorganic gases and vapors			GREY
		E	Acid gases			YELLOW
		K	Ammonia and derivatives			GREEN
P	Toxic dusts, fumes, mists			WHITE		
AX (EN371)	Low boiling point organic gases and vapors <65 ° C			BROWN		
DUST FILTER RESPIRATORS						
FACTORS TO CONSIDER	REASON	Filter respirator	Nominal Protection Factor	Operational Protection Factor		
Type of substance	Correct choice of filter type	Facial Filter FFP1 Half mask + P1	4	4		
Concentrations	Need / opportunity to protect other parts of the face (eyes - face)	Facial Filter FFP2 Half mask + P2	12	10		
Visibility	Filter capacity in relation to exposure time	Facial Filter FFP3 Half mask + P3	50	30		
Freedom of movement	Reduction of protection	Full face + P1	5	4		
Facial anatomy	Reduction of weight and discomfort	Full face + P2	20	15		
Environmental conditions	Mask adequacy	Full face + P3	1000	400		

The Head of the Prevention and Protection Service, as well as correctly defining the specific PPE for the activities, must pay attention to follow the instructions provided by the manufacturers of the various PPE.

**IN NORMAL USE, NO PERSONAL PROTECTION DEVICES ARE PROVIDED**

## d) THERMAL HAZARDS

PITTOGRAM	PPE	OBSERVATIONS
 Hot/Cold	<p>The indications provided in this section define the PPE intended to protect against possible temperature variations that the mixture causes or that the mixture itself may undergo during normal working activities. PPE must protect against excesses in external temperature by maintaining body temperature, thermally insulate while maintaining permeability to water and air to ensure sweating and moisture removal, respectively, so as not to cause heat loss. In order to protect themselves from the cold, PPE must retain a degree of flexibility that allows the operator to perform the necessary actions and to assume certain positions. PPE intended for short-term interventions or likely to receive projections of hot products, must have a calorific capacity sufficient to return most of the stored heat only after the user has removed them.</p>	<p>PPE intended to protect against thermal differences must have an adequate heat flow transmission coefficient to avoid any risk of damage as required by the foreseeable conditions of use.</p> <p>The heat flow transmitted to the operator during the use of PPE must be such that its accumulation does not in any case reach the pain threshold or the one in which any harmful effect on health occurs. PPE must prevent, as far as possible, the penetration of liquids and must not cause injury caused by contact between their protective coating and the operator.</p>

The choice of this type of PPE must be made by guaranteeing thermal insulation power and mechanical and chemical resistance adequate to the foreseeable conditions of use that the Head of the Prevention and Protection Service deems necessary.

**THE MIXTURE IS NOT EXPECTED TO CAUSE OR UNDERTAKE SIGNIFICANT TEMPERATURE CHANGES DURING THE INTENDED USE.**

**8.2.3 Environmental exposure controls**

Prevent uncontrolled release into the environment.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

The physical and chemical properties listed below are not to be considered technical specifications. The reference specifications are shown in the technical documentation.

Physical and chemical properties	Value	Notes or analytical method
a) Physical state	Solid	As defined in Annex I, section 1.0 of Reg. 1272/2008
b) Colour	Fuchsia	--
c) Odour	Characteristic of the fragrance	--
d) Melting point/freezing point	Not determined	--
e) Boiling point or initial boiling point and boiling range	Not determined	--
f) Flammability	NO	--
g) Lower and upper explosion limit	Not applicable	Not applicable to solids
h) Flash point	Not applicable	It does not apply to gases, aerosols and solids
i) Auto-ignition temperature	Not applicable	Applicable to gases and liquids only
j) Decomposition temperature	Not applicable	Applicable only to self-reactive substances and mixtures, organic peroxides and other substances and mixtures which can decompose.
k) pH	Not relevant	Insoluble in water
l) Kinematic viscosity	Not applicable	It only applies to liquids
m) Solubility	Insoluble in water	--
n) Partition coefficient n-octanol/water (log value)	Not applicable	It does not apply to inorganic and ionic liquids and, as a rule, does not apply to mixtures
o) Vapour pressure	Not determined	--
p) Density and/or relative density	Not determined	--
q) Relative vapour density	Not determined	--
r) Particle characteristics	Not determined	--

### 9.2 Other information

a) Explosives:	Not applicable
b) Flammable gases:	Not applicable
c) Aerosols:	Not applicable
d) Oxidising gases:	Not applicable
e) Gases under pressure:	Not applicable
f) Flammable liquids:	Not applicable
g) Flammable solids:	Not applicable
h) Self-reactive substances and mixtures:	Not applicable
i) Pyrophoric liquids:	Not applicable
j) Pyrophoric solids:	Not applicable
k) Self-heating substances and mixtures:	Not applicable
l) Substances and mixtures, which emit flammable gases in contact with water:	Not applicable
m) Oxidising liquids:	Not applicable
n) Oxidizing solids:	Not applicable
o) Organic peroxides:	Not applicable
p) Corrosive to metals:	Not applicable
q) Desensitised explosives:	Not applicable

#### 9.2.2 Other safety characteristics

Other physical and chemical parameters:

COV (Directive 2010/75 / EC) : 2,83 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions of use and storage.

### 10.2 Chemical stability

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

None known under normal conditions of use.

### 10.4 Conditions to avoid

a) Temperature	:	do not subject to direct heating
b) Pressure	:	nothing to report
c) Light	:	nothing to report
d) Static discharge	:	nothing to report
e) Vibrations	:	nothing to report
f) Other physical stresses	:	no data available

### 10.5 Incompatible materials

a) Water	:	avoid contact
b) Air	:	nothing to report
c) Acids	:	avoid contact
d) Bases	:	avoid contact
e) Oxidising agents	:	avoid contact
f) Reducing agents	:	avoid contact
g) Chemicals	:	avoid contact

### 10.6 Hazardous decomposition products

Under normal conditions the preparation does not decompose. By thermal decomposition, fumes harmful to health can be developed.

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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Hazard classes		Information
a)	acute toxicity	: Not classified. based on available data, the classification criteria are not met.
b)	skin corrosion/irritation	: Not classified. based on available data, the classification criteria are not met.
c)	serious eye damage/irritation	: Not classified. based on available data, the classification criteria are not met.
d)	respiratory or skin sensitisation	: In contact with the skin, it can cause skin sensitization.
e)	germ cell mutagenicity	: Not classified. based on available data, the classification criteria are not met.
f)	carcinogenicity	: Not classified. based on available data, the classification criteria are not met.
g)	reproductive toxicity	: Not classified. based on available data, the classification criteria are not met.
h)	STOT-single exposure	: Not classified. based on available data, the classification criteria are not met.
i)	STOT-repeated exposure	: Not classified. based on available data, the classification criteria are not met.
j)	aspiration hazard	: Not classified. based on available data, the classification criteria are not met.

**Specific toxicological information for the substances contained (if available)**

<b>Substance:</b>	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
<b>CAS:</b>	13475-82-6		
	<b>ORAL</b>	<b>INHALATION</b>	<b>SKIN</b>
	Rat LD50: >5000 mg/kg bw	Rat LC50: >5000 mg/m <sup>3</sup> air	Rat LD50: >5000 mg/kg bw
The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.			

<b>Substance:</b>	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)		
<b>CAS:</b>	68155-66-8		
	<b>ORAL</b>	<b>INHALATION</b>	<b>SKIN</b>
	Rat LD50: > 5000 mg/kg bw	--	Rat LD50: > 5000 mg/kg bw
The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.			

<b>Substance:</b>	Vanillin		
<b>CAS:</b>	121-33-5		
	<b>ORAL</b>	<b>INHALATION</b>	<b>SKIN</b>
	Rat LD50: = 3978 mg/kg bw	--	Rat LD50: >2000 mg/kg bw
The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.			

**EXPOSURE AND HEALTH EFFECTS**

<b>Routes of exposure</b>	--
<b>Inhalation risk</b>	Una concentrazione fastidiosa di particelle aerodisperse può essere raggiunta rapidamente quando dispersa, specialmente se in polvere
<b>Effects of short-term exposure</b>	--
<b>Effects of long-term or repeated exposure</b>	--
<b>SYMPTOMS BY SPECIFIC ROUTE OF EXPOSURE</b>	
<b>Inhalation</b>	Tosse
<b>Skin</b>	--
<b>Eyes</b>	Arrossamento
<b>Ingestion</b>	--
<b>Notes</b>	--

<b>Substance:</b>	Coumarine		
<b>CAS:</b>	91-64-5		
	<b>ORAL</b>	<b>INHALATION</b>	<b>SKIN</b>
	Rat LD50: 293 mg/kg bw	Rat LC50: 293 mg/kg	Rat LD50: 293 mg/kg bw
The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.			

**EXPOSURE AND HEALTH EFFECTS**

<b>Routes of exposure</b>	La sostanza può essere assorbita dall'organismo per inalazione dei suoi aerosol, attraverso la cute e per ingestione.
<b>Inhalation risk</b>	L'evaporazione a 20°C è trascurabile; può essere comunque raggiunta rapidamente una concentrazione fastidiosa di particelle aerodisperse.
<b>Effects of short-term exposure</b>	La sostanza è irritante per la cute.
<b>Effects of long-term or repeated exposure</b>	Questa sostanza è un possibile cancerogeno per l'uomo.
<b>SYMPTOMS BY SPECIFIC ROUTE OF EXPOSURE</b>	
<b>Inhalation</b>	--
<b>Skin</b>	PUO'ESSERE ASSORBITO! Arrossamento. Dolore.
<b>Eyes</b>	--
<b>Ingestion</b>	--
<b>Notes:</b>	--

<b>Substance:</b>	Heliotropine / Piperonal (DRUG PRECURSOR)		
<b>CAS:</b>	120-57-0		
	<b>ORAL</b>	<b>INHALATION</b>	<b>SKIN</b>
	Rat LD50: 2700 mg/kg bw	--	Rat LD50: >5000 mg/kg bw
The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.			

<b>Substance:</b>	Isolongifolanone		
<b>CAS:</b>	23787-90-8		
	<b>ORAL</b>	<b>INHALATION</b>	<b>SKIN</b>
	Rat LD50: 2000 mg/kg bw	--	--
The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.			

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

The mixture does NOT contain substances identified as having endocrine-disrupting properties in accordance with the criteria established in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations equal to or greater than 0.1% in weight.

**11.2.2 Other information**

No further data available

**SECTION 12: Ecological information****12.1 Toxicity**

The product is dangerous for the environment as it is harmful to aquatic organisms following acute exposure.



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Use according to good working practices, avoiding to disperse the product in the environment.

#### Ecotoxicological information specific to the substances contained

<b>Substance:</b>	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
<b>CAS:</b>	13475-82-6		
<b>LC50 – fish</b>	96h - >1028 mg/L	<b>Species :</b>	Scophthalmus maximus
<b>EC50 – aquatic invertebrates</b>	48h - >3000 mg/L	<b>Species :</b>	Acartia tonsa
<b>EC50 - aquatic algae and cyanobacteria</b>	72h - 3.83 mg/L	<b>Species :</b>	Skeletonema costatum
<b>NOEC chronic fish</b>	--	<b>Species :</b>	--
<b>NOEC chronic invertebrates</b>	--	<b>Species :</b>	--
<b>NOEC chronic algae and cyanobacteria</b>	--	<b>Species :</b>	--

<b>Substance:</b>	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)		
<b>CAS:</b>	68155-66-8		
<b>LC50 – fish</b>	96h-0.563 mg/l	<b>Species :</b>	Lepomis macrochirus
<b>EC50 – aquatic invertebrates</b>	48h- 1.38 mg/l	<b>Species :</b>	Daphnia magna
<b>EC50 - aquatic algae and cyanobacteria</b>	72h- > 2.6 mg/l	<b>Species :</b>	Scenedesmus subspicatus
<b>NOEC chronic fish</b>	--	<b>Species :</b>	--
<b>NOEC chronic invertebrates</b>	--	<b>Species :</b>	--
<b>NOEC chronic algae and cyanobacteria</b>	72h- ≥ 2.6 mg/l	<b>Species :</b>	Scenedesmus subspicatus

<b>Substance:</b>	Vanillin		
<b>CAS:</b>	121-33-5		
<b>LC50 – fish</b>	96h - 83.7 mg/L	<b>Species :</b>	Pimephales promelas
<b>EC50 – aquatic invertebrates</b>	48h - 36.79 mg/L	<b>Species :</b>	Daphnia Magna
<b>EC50 - aquatic algae and cyanobacteria</b>	72h - 120 mg/L	<b>Species :</b>	Pseudokirchneriella supcapitata
<b>NOEC chronic fish</b>	96h - - - mg/L	<b>Species :</b>	--
<b>NOEC chronic invertebrates</b>	48h - - - mg/L	<b>Species :</b>	--
<b>NOEC chronic algae and cyanobacteria</b>	72h - 47 mg/L	<b>Species :</b>	Pseudokirchneriella supcapitata

<b>Substance:</b>	Coumarine		
<b>CAS:</b>	91-64-5		
<b>LC50 – fish</b>	96h - 2.94 mg/L	<b>Species :</b>	--
<b>EC50 – aquatic invertebrates</b>	48h - 8.012 mg/L	<b>Species :</b>	Daphnia Magna
<b>ERL50 - algae and cyanobacteria</b>	72h - 1.452 mg/L	<b>Species :</b>	--
<b>NOEC Cronica fish</b>	--	<b>Species :</b>	--
<b>NOEC Cronica aquatic invertebrates</b>	--	<b>Species :</b>	--
<b>NOErL Cronic algae and cyanobacteria</b>	--	<b>Species :</b>	--

<b>Substance:</b>	Heliotropine / Piperonal (DRUG PRECURSOR)		
<b>CAS:</b>	120-57-0		
<b>LC50 – fish</b>	96h - 2.5 mg/L	<b>Species :</b>	Cyprinus carpio
<b>EC50 – aquatic invertebrates</b>	48h - 52 mg/L	<b>Species :</b>	Daphnia Magna
<b>ERL50 - algae and cyanobacteria</b>	72h - 31 mg/L	<b>Species :</b>	Pseudokirchneriella supcapitata
<b>NOEC Cronica fish</b>	96h - - - mg/L	<b>Species :</b>	--
<b>NOEC Cronica aquatic invertebrates</b>	48h - - - mg/L	<b>Species :</b>	--
<b>NOErL Cronic algae and cyanobacteria</b>	72h - 4.8 mg/L	<b>Species :</b>	Pseudokirchneriella supcapitata

<b>Substance:</b>	Isolongifolanone		
<b>CAS:</b>	23787-90-8		
<b>LC50 – fish</b>	--	<b>Species :</b>	--
<b>EC50 – aquatic invertebrates</b>	48h - 5.2 mg/L	<b>Species :</b>	Daphnia magna
<b>ERL50 - algae and cyanobacteria</b>	72h - 15 mg/L	<b>Species :</b>	Pseudokirchneriella subcapitata
<b>NOEC Cronica fish</b>	--	<b>Species :</b>	--
<b>NOEC Cronica aquatic invertebrates</b>	48h - 3.7 mg/L	<b>Species :</b>	Daphnia magna
<b>NOErL Cronic algae and cyanobacteria</b>	72h - 7.1 mg/L	<b>Species :</b>	Pseudokirchneriella subcapitata

#### 12.2 Persistence and degradability

May cause long-term adverse effects in the aquatic environment.

#### Specific biodegradation information for the substances contained

<b>Substance:</b>	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
<b>CAS:</b>	13475-82-6		
<b>Biodegradation in water:</b>	Easily biodegradable	<b>Test time :</b>	28d

<b>Substance:</b>	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)		
<b>CAS:</b>	68155-66-8		
<b>Biodegradation in water:</b>	Not biodegradable	<b>Test time :</b>	42d

<b>Substance:</b>	Vanillin		
<b>CAS:</b>	121-33-5		
<b>Biodegradation in water:</b>	Easily biodegradable	<b>Test time :</b>	14d

<b>Substance:</b>	Coumarine		
<b>CAS:</b>	91-64-5		
<b>Biodegradation in water:</b>	Easily biodegradable	<b>Test time:</b>	28d

<b>Substance:</b>	Heliotropine / Piperonal (DRUG PRECURSOR)		
<b>CAS:</b>	120-57-0		
<b>Biodegradation in water:</b>	Easily biodegradable	<b>Test time :</b>	28d

<b>Substance:</b>	Isolongifolanone		
<b>CAS:</b>	23787-90-8		
<b>Biodegradation in water:</b>	Poorly biodegradable	<b>Test time :</b>	28d

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### 12.3 Bioaccumulative potential

Data not available for the mixture.

#### Bioaccumulation information specific to the substances contained

<b>Substance:</b>	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
<b>CAS:</b>	13475-82-6		
<b>Coefficient: n-octanol / water</b>	:	log Pow	6,96
<b>BCF</b>	:	811.55 L/kg	
<b>Substance:</b>	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)		
<b>CAS:</b>	68155-66-8		
<b>Partition coefficient: n-octanol/water</b>	:	Log Kow (Log Pow):	5.65 at 30°C
<b>BCF</b>	:	To aquatic organisms	391. To terrestrial organisms
			5361 l/kg ww.
<b>Substance:</b>	Vanillin		
<b>CAS:</b>	121-33-5		
<b>Partition coefficient: n-octanol/water</b>	:	Log Kow (Log Pow):	1.17 a 20°C
<b>BCF</b>	:	The study should not be conducted because the substance has a low bioaccumulation potential based on log Kow <= 3	
<b>Substance:</b>	Coumarine		
<b>CAS:</b>	91-64-5		
<b>Partition coefficient: n-octanol / water</b>	:	Log Kow (Log Pow):	1.39 a 25°C
<b>BCF</b>	:	The study should not be conducted because the substance has a low bioaccumulation potential based on log Kow <= 3	
<b>Substance:</b>	Heliotropine / Piperonal (DRUG PRECURSOR)		
<b>CAS:</b>	120-57-0		
<b>Partition coefficient: n-octanol / water</b>	:	Log Kow (Log Pow):	1.2 a 35°C
<b>BCF</b>	:	The study should not be conducted because the substance has a low bioaccumulation potential based on log Kow <= 3	
<b>Substance:</b>	Isolongifolanone		
<b>CAS:</b>	23787-90-8		
<b>Partition coefficient: n-octanol / water</b>	:	Log Kow (Log Pow):	4.9 a 35 °C
<b>BCF</b>	:	381 L / kg wet weight	

### 12.4 Mobility in soil

No data available.

#### Mobility information in soil specific to the substances contained

<b>Substance:</b>	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
<b>CAS:</b>	13475-82-6		
The adsorption coefficient was calculated using Petrorisk. This substance is best represented by 2,2,4,6,6- pentamethylpentanyl from the Concawe Library (Id compound - 1503).			
<b>Substance:</b>	1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one (INCI: Tetramethyl Acetyloctahydronaphthalenes)		
<b>CAS:</b>	68155-66-8		
Koc at 20 °C: 12 589 [LogKoc: 4.12]			
<b>Substance:</b>	Vanillin		
<b>CAS:</b>	121-33-5		
Koc a 20 °C: 4 898 (Log Koc: 3.438)			
<b>Substance:</b>	Coumarine		
<b>CAS:</b>	91-64-5		
Koc at 20 °C: 42.66 [= LogKoc: 1.63]			
<b>Substance:</b>	Heliotropine / Piperonal (DRUG PRECURSOR)		
<b>CAS:</b>	120-57-0		
The substance is expected to have a low adsorption potential because it has a low octanol water partition coefficient and is easily biodegradable. Information on the Henry's Law constant and distribution models is not required in REACH and no other distribution data is available.			

### 12.5 Results of PBT and vPvB assessment

The chemical safety report is not required for the mixture. However, based on the available data, the mixture does not contain PBT or vPvB substances in a percentage higher than 0.1 in accordance with Regulation 1907/2006, annex XIII.

### 12.6 Endocrine disrupting properties

The mixture does NOT contain substances identified as having endocrine-disrupting properties in accordance with the criteria established in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations equal to or greater than 0.1% in weight.

### 12.7 Other adverse effects

**Classification for water pollution in Germany (AwSV, vom 18. April 2017):** WGK 2: Dangerous for the waters.

## SECTION 13: Disposal considerations

The substance/mixture shall not be removed through the sewerage system

### 13.1 Waste treatment methods

#### Container material and type:

Glass / Plastic / Paper / Metal / Composite (identify the exact material from the symbols on the packaging).

#### Methods for waste treatment of the substance or mixture:

DANGER FEATURES (Directive 2008/98 / EC)	:	HP13 – Sensitising - HP14 - Ecotoxic
RECOVERY OPERATIONS (Directive 2008/98 / EC)	:	R13 - Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)
DISPOSAL OPERATIONS (Directive 2008/98 / EC)	:	D13 - Blending or mixing prior to submission to any of the operations numbered D 1 to D 12
EER CODE	:	20 01 39 Plastics

#### Methods for handling any contaminated packaging:

DANGER FEATURES (Directive 2008/98 / EC)	:	HP13 – Sensitising - HP14 - Ecotoxic
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RECOVERY OPERATIONS (Directive 2008/98 / EC) : R13 - Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)

DISPOSAL OPERATIONS (Directive 2008/98 / EC) : D13 - Blending or mixing prior to submission to any of the operations numbered D 1 to D 12

EER CODE : 15 01 02 plastic packaging

**Physical / chemical properties that can affect waste treatment:**

None known

**Special precautions for recommended waste treatment:**

The hazard characteristics, disposal and recovery operations and the suggested EWC codes refer to the product as it is without considering any changes due to use. It is therefore recommended, before disposal, to reclassify the waste, also evaluating its origin. Any mixing of different types of non-hazardous waste and any mixture of different hazardous waste is prohibited (Article 23 of Directive 2008/98 / EC). Disposal must be entrusted to an authorized waste treatment company, in compliance with national and possibly local regulations

## SECTION 14: Transport information

Not included in the scope of the dangerous goods transport regulations: by road (ADR); by rail (RID); by air (ICAO/IATA); by sea (IMDG)

		ADR	IMDG	IATA
14.1	UN number or ID number		Not applicable	
14.2	UN proper shipping name		Not applicable	
	Technical name		Not applicable	
14.3	Transport hazard class(es)		Not applicable	
	Label		Not applicable	
14.4	Packing group		Not applicable	
	Limited quantities			
	Internal packaging (primary)		Not applicable	
	Outer packaging <sup>(1)</sup>		Not applicable	
	Packing Instruction		Not applicable	
	Tunnel restriction code		Not applicable	
	EmS		Not applicable	
14.5	Stowage and segregation		Not applicable	
	Environmental hazards		Not applicable	
	Marine pollutant		Not applicable	
14.6	Special precautions for user		Not applicable	
14.7	Maritime transport in bulk according to IMO instruments		Not applicable	

1:30 kg in the case of boxes - 20 kg in the case of trays with stretch or shrink film

## SECTION 15: Regulatory information

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

**Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006** concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008** on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

**Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008** on waste and repealing certain Directives.

**Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012** concerning the making available on the market and use of biocidal products.

**Commission Delegated Regulation (EU) 2017/2100 of 4 September 2017** setting out scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and Council.

**Commission Regulation (EU) No 1357/2014 of 18 December 2014** replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives

**COMMISSION DECISION of 18 December 2014** amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council

**REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004** on detergents

**DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012** on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

**Product:** FUCHSIA SOUR CHERRY

**Category SEVESO:** Not applicable

**Regulation (EU) 2019/1148** of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

The mixture does not contain an explosive precursor.

### 15.2 Chemical safety assessment

Chemical safety assessment for the mixture not foreseen. This safety data sheet contains one or more Exposure Scenarios in an integrated form. The content, where relevant, has been included in sections 1.2, 8, 9, 12, 15 and 16 of the same safety data sheet

## SECTION 16: Other information

### 16.1 Indication of any points of the SDS that have been revised

No chapter has been modified as this sheet is the first issue.

### 16.2 Key abbreviations and acronyms used in this SDS

APVR	Respiratory protective equipment
ATE	Acute Toxicity Estimates
BCF	Bioconcentration Factor
CAS	Chemical abstract service
CE	European Community
CLP	Classification, Labelling and Packaging
COV	Volatile Organic Compounds
DNEL	Derived No Effect Level
DPI	Dispositivi di Protezione Individuale
EC	European Community
EC50	Half maximal effective concentration
ECHA	European Chemicals Agency
EER	European Waste List
EmS	Emergency Schedules
EN	European normalization
ERC	Environmental release categories
EUH	Supplemental hazard information
EuPCS	European Product Categorisation System
FPN	Protection factor Nominal
FFP	Filtering Facepiece

FPO	Operational protection factor
GHS	Globally Harmonized System
HP	Hazardous Properties
IMO	International Maritime Organization
ISO	International Standard Organization
LC50	Median lethal concentration
LD50	Median lethal dose
N.A.S.	Not otherwise specified
NOEC	No observed effect concentration
ONU	United Nations Organization
PBT	Persistent, Bioaccumulative and Toxic Substances
vPvB	Very Persistent and very Bioaccumulative substances
ppm	Parts per million
PROC	Category of processes
REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT	Specific target organ toxicity
STP	Sewage treatment plant
UE	European Union
UFI	Unique Identifier of Formula
UNI	Italian Standard Organization.

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### 16.3 Full text of the Classification Information set out in Section 3

Description of the hazard class and category codes set out in section 3	Description of the hazard statements set out in section 3
<b>Flam. Liq. 3</b>	Flammable liquids, Hazard Category 3
<b>Asp. Tox. 1</b>	Aspiration hazard, Hazard Category 1
<b>Aquatic Chronic 4</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 4
<b>Skin Irrit. 2</b>	Skin corrosion/irritation, Hazard Category 2
<b>Skin Sens. 1B</b>	Sensitisation — Skin, hazard category 1B
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 1
<b>Eye Irrit. 2</b>	Serious eye damage/eye irritation, Hazard Category 2
<b>Acute tox. 4</b>	Acute toxicity (oral), Hazard Category 4
<b>Skin Sens. 1</b>	Sensitisation — Skin, hazard category 1
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 3
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 2
<b>Codice EUH</b>	EUH066 = Repeated exposure may cause skin dryness or cracking
<b>M-Factor</b>	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1.

### 16.4 Bibliographical references and main data sources

<b>ECHA</b>	European Chemicals Agency	<b>OSHA</b>	European Agency for Safety and Health at Work	<b>IARC</b>	International Agency for Research on Cancer
<b>TOXNET</b>	Toxicology Data Network	<b>WHO</b>	World Health Organization	<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CheLIST</b>	Chemical Lists Information System	<b>ICSCs</b>	International Chemical Safety Cards	<b>ILO</b>	International Labour Organization
<b>IPCS</b>	International Programme on Chemical Safety (Cards)	<b>NIOSH</b>	Registry of toxic effects of chemical substances (1983)	<b>IFA</b>	Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung

### 16.5 Normative references and / or documents (from which the data in section 8.1 derive)

Code <sup>(1)</sup>	State	Bibliography / documents --> LINK	
AUS	Australia	<a href="https://www.dguv.de/ifa/...../limit-values-australia/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-australia/index-2.jsp</a>	<a href="https://engage.swa.gov.au/workplace-exposure-standards-review">https://engage.swa.gov.au/workplace-exposure-standards-review</a>
		<a href="https://www.safeworkaustralia.gov.au/exposure-standards#exposure-standards-in-australia">https://www.safeworkaustralia.gov.au/exposure-standards#exposure-standards-in-australia</a>	
AUT	Austria	<a href="https://www.dguv.de/ifa/...../limit-values-austria/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-austria/index-2.jsp</a>	<a href="https://www.jusline.at/gesetz/gkv_2011">https://www.jusline.at/gesetz/gkv_2011</a>
		<a href="https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&amp;Gesetzesnummer=20001418">https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&amp;Gesetzesnummer=20001418</a>	
BEL	Belgium	<a href="https://www.dguv.de/ifa/...../limit-values-belgium/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-belgium/index-2.jsp</a>	<a href="https://employment.belgium.be/en">https://employment.belgium.be/en</a>
BGR	Bulgaria	<a href="https://pirogo.eu/bg/">https://pirogo.eu/bg/</a>	
CAN	Canada-Ontario	<a href="https://www.dguv.de/ifa/...../limit-values-canada-ontario/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-canada-ontario/index-2.jsp</a>	<a href="https://www.labour.gov.on.ca/english/hs/pubs/oel_table.php">https://www.labour.gov.on.ca/english/hs/pubs/oel_table.php</a>
CAN	Canada-Québec	<a href="https://www.dguv.de/ifa/...../limit-values-canada-quebec/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-canada-quebec/index-2.jsp</a>	<a href="http://legisquebec.gouv.qc.ca/fr/showdoc/cr/S-.....">http://legisquebec.gouv.qc.ca/fr/showdoc/cr/S-.....</a>
		<a href="https://www.csst.qc.ca/Pages/index.aspx">https://www.csst.qc.ca/Pages/index.aspx</a>	
CYP	Cyprus	<a href="http://www.mlsi.gov.cy/">http://www.mlsi.gov.cy/</a>	
CAE	Czech Republic	<a href="https://www.mzcr.cz/">https://www.mzcr.cz/</a>	
HRV	Croatia	<a href="https://www.hzt.hr">https://www.hzt.hr</a>	
DNK	Denmark	<a href="https://www.dguv.de/ifa/...../limit-values-denmark/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-denmark/index-2.jsp</a>	<a href="https://www.retsinformation.dk/eli/ita/2019/1458">https://www.retsinformation.dk/eli/ita/2019/1458</a>
EST	Estonia	<a href="http://www.16662.ee/">http://www.16662.ee/</a>	
EU <sup>(2)</sup>	European Union	<a href="https://www.dguv.de/ifa/...../limit-values-european-union/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-european-union/index-2.jsp</a>	<a href="https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:31998L0024">https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:31998L0024</a>
		<a href="https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1523372586043&amp;uri=CELEX:32004L0037">https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1523372586043&amp;uri=CELEX:32004L0037</a>	
FIN	Finland	<a href="https://www.dguv.de/ifa/...../limit-values-finland/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-finland/index-2.jsp</a>	<a href="https://julkaisut.valtioneuvosto.fi/handle/10024/160967">https://julkaisut.valtioneuvosto.fi/handle/10024/160967</a>
FRA	France	<a href="https://www.dguv.de/ifa/...../limit-values-france/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-france/index-2.jsp</a>	<a href="https://www.anses.fr/fr">https://www.anses.fr/fr</a>
		<a href="http://www.inrs.fr/accueil/dms/inrs/CataloguePapier/ED/TI-ED-984/ed984.pdf">http://www.inrs.fr/accueil/dms/inrs/CataloguePapier/ED/TI-ED-984/ed984.pdf</a>	
DEU	Germany (AGS)	<a href="https://www.dguv.de/ifa/...../limit-values-germany-ags/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-germany-ags/index-2.jsp</a>	<a href="https://www.baua.de/DE/...../Regelwerk/TRGS/pdf/TRGS-900.pdf">https://www.baua.de/DE/...../Regelwerk/TRGS/pdf/TRGS-900.pdf</a>
DEU	Germany (DFG)	<a href="https://www.dguv.de/ifa/...../limit-values-germany-dfg/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-germany-dfg/index-2.jsp</a>	<a href="https://www.dfg.de/en/dfg_profile/...../health_hazards/index.html">https://www.dfg.de/en/dfg_profile/...../health_hazards/index.html</a>
		<a href="https://www.dfg.de/dfg_profil/gremien/senat/arbeitsstoffe/publikationen/index.html">https://www.dfg.de/dfg_profil/gremien/senat/arbeitsstoffe/publikationen/index.html</a>	
GRC	Greece	<a href="http://www.gcsl.gr/">http://www.gcsl.gr/</a>	
HUN	Hungary	<a href="https://www.dguv.de/ifa/...../limit-values-hungary/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-hungary/index-2.jsp</a>	<a href="https://www.biztonsagiadatlap.hu/...../5_2020-II-6-ITM-rendelet.pdf">https://www.biztonsagiadatlap.hu/...../5_2020-II-6-ITM-rendelet.pdf</a>
ISL	Iceland	<a href="https://www.ust.is/the-environment-agency-of-iceland/chemicals/">https://www.ust.is/the-environment-agency-of-iceland/chemicals/</a>	
IRL	Ireland	<a href="https://www.dguv.de/ifa/...../limit-values-ireland/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-ireland/index-2.jsp</a>	<a href="https://www.hsa.ie/eng/...../2016_CodePracticeChemicalAgentsRegulations/">https://www.hsa.ie/eng/...../2016_CodePracticeChemicalAgentsRegulations/</a>
ITA	Italy	<a href="https://www.dguv.de/ifa/...../limit-values-italy/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-italy/index-2.jsp</a>	<a href="http://www.preparatipericolosi.iss.it">http://www.preparatipericolosi.iss.it</a>
JPN	Japan (MHLW)	<a href="https://www.dguv.de/ifa/...../limit-values-japan-mhlw/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-japan-mhlw/index-2.jsp</a>	<a href="https://www.mhlw.go.jp/english/index.html">https://www.mhlw.go.jp/english/index.html</a>
JPN	Japan (JSOH)	<a href="https://www.dguv.de/ifa/...../limit-values-japan-jsoh/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-japan-jsoh/index-2.jsp</a>	<a href="https://www.sanei.or.jp/">https://www.sanei.or.jp/</a>
LVA	Latvia	<a href="https://www.dguv.de/ifa/...../limit-values-latvia/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-latvia/index-2.jsp</a>	<a href="https://likumi.lv/doc.php?id=157382&amp;from=off">https://likumi.lv/doc.php?id=157382&amp;from=off</a>
LTU	Lithuania	<a href="http://www.gamta.lt/">http://www.gamta.lt/</a>	
LUX	Luxembourg	<a href="http://www.ms.public.lu/fr/">http://www.ms.public.lu/fr/</a>	
MLT	Malta	<a href="https://mcaa.org.mt/">https://mcaa.org.mt/</a>	
NZL	New Zealand	<a href="https://www.dguv.de/ifa/...../limit-values-new-zealand/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-new-zealand/index-2.jsp</a>	<a href="https://worksafe.govt.nz/work-health/...-std-biol-exposure-indices/">https://worksafe.govt.nz/work-health/...-std-biol-exposure-indices/</a>
NOR	Norway	<a href="http://www.miljodirektoratet.no/">http://www.miljodirektoratet.no/</a>	<a href="https://www.fhi.no/en/">https://www.fhi.no/en/</a>
CHN	People's Republic of China	<a href="https://www.dguv.de/ifa/...../limit-values-china/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-china/index-2.jsp</a>	<a href="http://www.nhfp.gov.cn/zhuzy/pyl/200704/38838.shtml">http://www.nhfp.gov.cn/zhuzy/pyl/200704/38838.shtml</a>
POL	Poland	<a href="https://www.dguv.de/ifa/...../limit-values-poland/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-poland/index-2.jsp</a>	<a href="http://www.ciop.pl/">http://www.ciop.pl/</a>
PRT	Portugal	<a href="http://www.inem.pt/ciav">http://www.inem.pt/ciav</a>	
ROU	Romania	<a href="https://www.dguv.de/ifa/...../limit-values-romania/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-romania/index-2.jsp</a>	<a href="http://www.mmuncii.ro/.../5114-11042018_modif_HG-1218_Ag_chimici.pdf">http://www.mmuncii.ro/.../5114-11042018_modif_HG-1218_Ag_chimici.pdf</a>
SGP	Singapore	<a href="https://www.dguv.de/ifa/...../limit-values-singapore/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-singapore/index-2.jsp</a>	<a href="https://sso.agc.gov.sg/Act/WSHA2006">https://sso.agc.gov.sg/Act/WSHA2006</a>
SVK	Slovakia	<a href="http://www.ntic.sk/">http://www.ntic.sk/</a>	
SVN	Slovenia	<a href="http://www.uk.gov.si/">http://www.uk.gov.si/</a>	
KOR	South Korea	<a href="https://www.dguv.de/ifa/...../limit-values-south-korea/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-south-korea/index-2.jsp</a>	<a href="http://www.kiha.kr/main/community_view.htm?uid=763&amp;tbn=gongi&amp;page=3">http://www.kiha.kr/main/community_view.htm?uid=763&amp;tbn=gongi&amp;page=3</a>
ESP	Spain	<a href="https://www.dguv.de/ifa/...../limit-values-spain/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-spain/index-2.jsp</a>	<a href="https://www.insst.es/">https://www.insst.es/</a>
SWE	Sweden	<a href="https://www.dguv.de/ifa/...../limit-values-sweden/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-sweden/index-2.jsp</a>	<a href="https://www.av.se/.../hygieniska-gransvarden-afs-20181-foreskrifter/">https://www.av.se/.../hygieniska-gransvarden-afs-20181-foreskrifter/</a>
CHE	Switzerland	<a href="https://www.dguv.de/ifa/...../limit-values-switzerland/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-switzerland/index-2.jsp</a>	<a href="http://suissepro.org/">http://suissepro.org/</a>
		<a href="https://www.suva.ch/de-CH/.....">https://www.suva.ch/de-CH/.....</a>	
NLD	The Netherlands	<a href="https://www.dguv.de/ifa/...../limit-values-the-netherlands/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-the-netherlands/index-2.jsp</a>	<a href="https://www.ser.nl/en">https://www.ser.nl/en</a>
		<a href="https://wetten.overheid.nl/BWBR0008587/2017-07-01#BijlageXIII">https://wetten.overheid.nl/BWBR0008587/2017-07-01#BijlageXIII</a>	
TUR	Turkey	<a href="https://www.dguv.de/ifa/...../limit-values-turkey/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-turkey/index-2.jsp</a>	
USA	USA - NIOSH	<a href="https://www.dguv.de/ifa/...../limit-values-usa-niosh/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-usa-niosh/index-2.jsp</a>	<a href="https://www.cdc.gov/niosh/">https://www.cdc.gov/niosh/</a>
USA	USA - OSHA	<a href="https://www.dguv.de/ifa/...../limit-values-usa-osha/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-usa-osha/index-2.jsp</a>	<a href="http://www.osha.gov">www.osha.gov</a>
GBR	United Kingdom	<a href="https://www.dguv.de/ifa/...../limit-values-united-kingdom/index-2.jsp">https://www.dguv.de/ifa/...../limit-values-united-kingdom/index-2.jsp</a>	<a href="https://www.hse.gov.uk/research/hsi_pdf/2002/hsi02-23.pdf">https://www.hse.gov.uk/research/hsi_pdf/2002/hsi02-23.pdf</a>

<sup>(1)</sup> ISO3166-1 alpha-3 <sup>(2)</sup> NO ISO CODE

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**16.6 Procedures used to derive classification under Regulation (EC)1272/2008 [CLP] in relation to mixtures**

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
H317 Skin. Sens. 1B	Presence of component in concentration equal to or greater than the defined limit - Annex I, section 3.4.3 - Respiratory or skin sensitisation
H412 Aquatic Chronic 3	Additivity theory - Annex I, section 4.1.3 - Hazardous to the aquatic environment

**16.7 Any appropriate training courses for workers in order to ensure the protection of human health and the environment**

- Training course on the management and interpretation of the SDS
- ADR training for personnel involved in handling
- Training on the use of PPE

**More information**

Safety Data Sheet compliant with regulation (EU) n. 2020/878 of 18 June 2020

This document has been drawn up by a competent SDS technician who has received adequate training and is certified according to the reference practice UNI / PdR 60: 2019. Certificate issued by INTERTEK ITALIA S.p.A. Registration number: EPTAS2018-00225 exp. 25-Nov-2023

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**END OF SAFETY DATA SHEET**

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We thank all the people who want to report any anomalies in the translation.