

<div>Mr&Mrs</div> <div>FRAGRANCE</div>	MATERIAL SAFETY DATA SHEET		GIGI
	WILD STRAWBERRY		
Current revision date: 26/05/2023	Current revision number: 01	Previous revision date: 28/12/2020	Previous revision number: 00

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

1.1 Product identifier

Commercial name : WILD STRAWBERRY
UFI : UD70-G07V-E00T-J7FF
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
 email competent person 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

The product, if brought into contact with the skin, can cause skin sensitization. The product is dangerous for the environment as it is harmful to aquatic organisms 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 relevant

Precautionary statements :

General

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

Prevention

P273 - Avoid release to the environment.
 P280 - Wear protective gloves

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.
 Contiene: Ethyl methylphenylglycidate.

Additional information: 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. Only insert into the air vents. 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.

ISO 8317_ Child-resistant packaging - Requirements and testing procedures for reclosable packages	Not applicable
EN 862_ Child-resistant packaging - Requirements and testing procedures for non-reclosable packages for non-pharmaceutical products	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

<div> <div>Mr&Mrs</div> <div>FRAGRANCE</div> </div>	<div>MATERIAL SAFETY DATA SHEET</div> <div>WILD STRAWBERRY</div>		<div>GIGI</div>
	Current revision date: 26/05/2023	Current revision number: 01	Previous revision date: 28/12/2020
		Previous revision number: 00	

3.2 Mixtures

Refer to section 16 for the full text of the hazard statements. If "INDEX NUMBER" is present, all that follows in bold refers to the harmonized classification, while what is not in bold refers to the self-classification.

Index number	EC/List n°.	CAS	REACH	International Chemical Identification		X= Conc. %
---	201-061-8	77-83-8	01-2119967770-28	Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate		5.0 < x < 6.0
			Classification	Specific Concentration limits, M-		Notes
Hazard Class and Category Code(s), Hazard Statement Code(s)			Supplementary Hazard Statement Code(s)	Pictograms, Signal Word Code(s)	Factors, Acute Toxicity Estimates (ATE)	
Skin Sens. 1B H317, Aquatic Chronic 2 H411			--	GHS07 – WARNING	--	--
Index number	EC/List n°.	CAS	REACH	International Chemical Identification		X= Conc. %
--	203-225-4	104-67-6	01-2119959333-34	Gamma-undecalactone / Undecan-4-olide		2.0 < x < 2.5
			Classification	Specific Concentration limits, M-		Notes
Hazard Class and Category Code(s), Hazard Statement Code(s)			Supplementary Hazard Statement Code(s)	Pictograms, Signal Word Code(s)	Factors, Acute Toxicity Estimates (ATE)	
Aquatic Chronic 3 H412			--	--	--	--
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)		1.5 ≤ x < 2.0
			Classification	Specific Concentration limits, M-		Notes
Hazard Class and Category Code(s), Hazard Statement Code(s)			Supplementary Hazard Statement Code(s)	Pictograms, Signal Word Code(s)	Factors, Acute Toxicity Estimates (ATE)	
Flam. Liq. 3 H226, Asp. Tox 1 H304, Aquatic Chronic 4 H413			EUH066	GHS02, GHS08 - DANGER	--	--
Index number	EC/List n°.	CAS	REACH	International Chemical Identification		X= Conc. %
603-212-00-7	214-946-9	1222-05-5	01-2119488227-29	Hexamethylindanopyran		1.5 ≤ x < 2.0
			Classification	Specific Concentration limits, M-		Notes
Hazard Class and Category Code(s), Hazard Statement Code(s)			Supplementary Hazard Statement Code(s)	Pictograms, Signal Word Code(s)	Factors, Acute Toxicity Estimates (ATE)	
Aquatic Acute 1, H400 - Aquatic Chronic 1, H410			--	GHS09 -WARNING	M=1	--

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid instructions categorized according to relevant routes of exposure. It is advisable for those who provide first aid to wear the personal protective equipment deemed suitable for the conditions in which the intervention is to be carried out.

Inhalation

Given the specificity of the product and the small quantities of substances released, conditions such as to require first aid measures are not foreseen.

Skin

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

Eyes

Given the particular structure of the product, accidental contacts are unpredictable and mainly of traumatic and/or voluntary origin. If necessary, apply fresh compresses and, if the painful phenomena continue, contact the medical staff.

Ingestion

SEEK MEDICAL ATTENTION IMMEDIATELY.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

They are not known and there are no specific reports on symptoms and effects caused by the product.

Skin

They are not known and there are no specific reports on symptoms and effects caused by the product.

Eyes

Redness.

Ingestion

They are not known and there are no specific reports on symptoms and effects caused by the product.

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, CO₂, 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 that are potentially harmful to health may develop. If exposed to flame, it catches fire and continues to burn with a dimly lit flame even if removed from the heat source.

5.3 Advice for firefighters

Use protective clothing for the respiratory tract, eyes and skin. Water spray can be used to disperse vapors and protect people engaged in firefighting. 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 considerable quantities of product in the environments involved in the fire can be a source of risk in causing the re-ignition 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 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: No smoking. Use suitable personal protective equipment, see Section 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

6.3.1 Appropriate advice shall be provided on how to contain a spill

Keep dry.

<div>Mr&Mrs</div> <div>FRAGRANCE</div>	<div>MATERIAL SAFETY DATA SHEET</div> <div>WILD STRAWBERRY</div>		GIGI
	Current revision date: 26/05/2023	Current revision number: 01	
	Previous revision date: 28/12/2020		Previous revision number: 00

6.3.2 Appropriate advice shall be provided on how to clean-up a spill
 After collection, wash the affected area and materials with plenty of water and recover the resulting fluids.

6.3.3 Any other information shall be provided relating to spills and releases, including advice on inappropriate containment or clean-up techniques
 Hand over waste only to specialized companies

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 precautions for handling sensitizing chemical products, protecting themselves from any accidental contact. Do not smoke, eat or 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 the electrical components of machines, systems and electrical installations in general can give a sufficient guarantee of reducing the risk of fire.

How to control the effects of:

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

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

i) stabilisers	Nothing to report
ii) antioxidants	Nothing to report

Other advice including

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

7.3 Specific end use(s)

Consumer: Follow the instructions given on the label/box/information leaflets.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Related to the substances contained

Substance:	Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate									
CAS:	77-83-8									
GESTIS International Limit Values										
		Limit value - Eight hours				Limit value - Short term				
		ppm		mg/m³		ppm		mg/m³		
		--		--		--		--		
		Remarks								
		--								
Link DNEL value	https://echa.europa.eu/it/registration-dossier/-/registered-dossier/12589									
DNEL (Workers)					DNEL (Population)					
	Systemic		Local			Systemic		Local		
	Long term	Short term	Long term	Short term		Long term	Short term	Long term	Short term	
Inhalation	17.63 mg/m³	35.26 mg/m³	44.08 mg/m³	88.16 mg/m³	Inhalation	2.17 mg/m³	8.7 mg/m³	5.43 mg/m³	22.74 mg/m³	
Dermal	5 mg/kg bw/day	5 mg/kg bw/day	12.5 mg/cm²	25 mg/cm²	Dermal	1.25 mg/kg bw/day	5 mg/kg bw/day	3.13 mg/cm²	12.5 mg/cm²	
Oral	Not available		Not available		Oral	1.25 mg/kg bw/day	5 mg/kg bw/day	Not available		
Eyes	Not available		No hazard identified		Eyes	Not available		No hazard identified		
PNEC										
Freshwater	0.008 mg/L		Intermittent	0.084 mg/L		Marine water	8.4 µg/L			
STP	10 mg/L		Sediment (freshwater)	0.214 mg/kg sediment dw		Sediment (marine water)	0.021 mg/kg sediment dw			
Air	No hazard identified		Soil	0.038 mg/kg soil dw		Hazard for predators	23.3 mg/kg food			

Substance:	Gamma-undecalactone / Undecan-4-olide										
CAS:	104-67-6										
GESTIS International Limit Values											
		Limit value - Eight hours					Limit value - Short term				
		ppm	mg/m³				ppm	mg/m³			
		--	--				--	--			
		Remarks									
		--									
Link DNEL value	https://echa.europa.eu/it/registration-dossier/-/registered-dossier/14215										
DNEL (Workers)					DNEL (Population)						
		Systemic		Local				Systemic		Local	
		Long term	Short term	Long term	Short term		Long term	Short term	Long term	Short term	
Inhalation		19 mg/m³	No hazard identified	No hazard identified		Inhalation	4.68 mg/m³	No hazard identified	No hazard identified		
Dermal	5.38 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified		Dermal	2.7 mg/kg bw/day	No hazard identified	No hazard identified		

Substance:	Hexamethylindanopyran								
CAS:	1222-05-5								
GESTIS International Limit Values									
	Limit value - Eight hours				Limit value - Short term				
	ppm		mg/m ³		ppm		mg/m ³		
	--		--		--		--		
	Remarks								
	--								
https://echa.europa.eu/it/registration-dossier/-/registered-dossier/14504									
DNEL (Workers)					DNEL (Population)				
	Systemic		Local			Systemic		Local	
	Long term	Short term	Long term	Short term		Long term	Short term	Long term	Short term
Inhalation	13.5 mg/L	No hazard identified	No hazard identified		Inhalation	4 mg/L	No hazard identified	No hazard identified	
Dermal	36.7 mg/kg bw/day	No hazard identified	No hazard identified		Dermal	22 mg/kg bw/day	No hazard identified	No hazard identified	
Oral	Not available		Not available		Oral	2.3 mg/kg bw/day	No hazard identified	Not available	
Eyes	Not available		No hazard identified		Eyes	Not available		No hazard identified	
PNEC									
	Freshwater	6.8 µg/L	Intermittent	Not available		Marine water	0.44 µg/L		
	STP	1 mg/L	Sediment (freshwater)	2 mg/kg/sediment		Sediment (marine water)	0.394 mg/kg/sediment		
	Air	No hazard identified	Soil	1.5 mg/kg soil		Hazard for predators	20.4 g/kg food		

Pag. 4 di 11


<div>Mr&Mrs</div> <div>FRAGRANCE</div>	MATERIAL SAFETY DATA SHEET				GIGI	
	WILD STRAWBERRY					
Current revision date: 26/05/2023	Current revision number: 01		Previous revision date: 28/12/2020		Previous revision number: 00	
	in case of need in an emergency. Standard EN166 Personal eye protection - Specifications	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 THERE ARE NO PERSONAL PROTECTIVE EQUIPMENT PROVIDED

b) SKIN PROTECTION


i) Hand protection

PITTOGRAM	PPE	METHOD OF CHOOSING THE PPE			
 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.</p>	CHEMICAL PROTECTION			
		Type	Level	Time	Substances
		A	2	30 minutes	minimum 6
		B	2	30 minutes	minimum 3
		C	1	10 minutes	minimum 1
		MATERIALS FOR PROTECTION FROM CHEMICAL AGENTS			
	Highlights	LATEX	NEOPRENE	NITRILE	PVC
		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 evaluate the choice of PPE to be used based on the duties.

USE WATERPROOF GLOVES


ii) other

PITTOGRAM		PPE		METHOD OF CHOOSING THE PPE			
 Work clothing	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	DANGER	Full coverage garment		Partial coverage garment		
			Waterproof	Permeable to air	Waterproof	Permeable to air	
		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.

NO PERSONAL PROTECTIVE EQUIPMENT IS REQUIRED IN NORMAL USE

c) RESPIRATORY PROTECTION


PITTOGRAM	PPE	METHOD OF CHOOSING THE PPE				
<div></div> <p>RPD (Respiratory protective devices)</p>	<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 O₂ 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>	DUST FILTERS				
		Efficiency	Dust class	RPD class and marking	Minimum total filtering efficiency	Protection
		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		
		Type of substance		Correct choice of filter type		
				Need / opportunity to protect other parts of the face (eyes - face)		
				Filter respirator	Nominal Protection Factor	Operational Protection Factor
				Facial Filter FFP1 Half mask + P1	4	4

<div>Mr&Mrs</div> <div>FRAGRANCE</div>	MATERIAL SAFETY DATA SHEET				GIGI
	WILD STRAWBERRY				
Current revision date: 26/05/2023	Current revision number: 01		Previous revision date: 28/12/2020		Previous revision number: 00
	Concentrations	Filter capacity in relation to exposure time	Facial Filter FFP2 Half mask + P2	12	10
	Visibility	Reduction of protection	Facial Filter FFP3 Half mask + P3	50	30
	Freedom of movement	Reduction of weight and discomfort	Full face + P1	5	4
	Facial anatomy	Mask adequacy	Full face + P2	20	15
	Environmental conditions		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.

NO PERSONAL PROTECTIVE EQUIPMENT IS REQUIRED IN NORMAL USE

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.

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	Various colours	--
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	Not flammable	Applicable to gases, liquids and solids
g)	Lower and upper explosion limit	Not applicable	Not applicable to solids
h)	Flash point	Not applicable	Does not apply to gases, aerosols and solids
i)	Auto-ignition temperature	Not applicable	Only applicable to gases and liquids
j)	Decomposition temperature	Not applicable	Only applicable to self-reactive substances and mixtures, organic peroxides and other substances and mixtures which may decompose.
k)	pH	Not applicable	The mixture is not soluble in water
l)	Kinematic viscosity	Not applicable	Applies to liquids only
m)	Solubility	Insoluble in water, partially soluble in alcohol	--
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	According to the REACH regulation, the study must not be conducted if the melting point is above 300°C (Annex VII, column 2 adaptation).
p)	Density and/or relative density	Not applicable	only applies to liquids and solids.
q)	Relative vapour density	Not applicable	only applies to gases and liquids.
r)	Particle characteristics	Not relevant. Non-particulate blend	applies only to solids

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

a)	mechanical sensitivity	:	Not applicable
b)	self-accelerating polymerisation temperature	:	Not applicable
c)	formation of explosible dust/air mixtures	:	Not applicable
d)	acid/alkaline reserve	:	Not applicable

Mr&Mrs FRAGRANCE		MATERIAL SAFETY DATA SHEET		GIGI
		WILD STRAWBERRY		
Current revision date: 26/05/2023		Current revision number: 01	Previous revision date: 28/12/2020	Previous revision number: 00
e) evaporation rate : Not determinated				
f) miscibility : Not miscible with water				
g) conductivity : Not applicable				
h) corrosiveness : Not applicable				
i) gas group : Not applicable				
j) redox potential : Not applicable				
k) radical formation potential : Not applicable				
l) photocatalytic properties : Not applicable				
Other physical and chemical parameters:				
No further data available				
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 other 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. Due to thermal decomposition, fumes harmful to health are released.				
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	:	If brought into contact with the skin, it may 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)				
Substance:		Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate		
CAS:		77-83-8		
ORAL		INHALATION	SKIN	NOTES
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 drafting this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.				
Substance:		Gamma-undecalactone / Undecan-4-olide		
CAS:		104-67-6		
ORAL		INHALATION	SKIN	NOTES
Rat LD50: >2000 mg/kg bw		--	Rat LD50: >2000 mg/kg bw	--
The values entered in this section are those available, at the time of drafting this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.				
Substance:		2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
CAS:		13475-82-6		
ORAL		INHALATION	SKIN	NOTES
Rat LD50: >5000 mg/kg bw		Rat LC50: >5000 mg/m³ air	Rat LD50: >5000 mg/kg bw	--
The values entered in this section are those available, at the time of drafting this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.				
Substance:		Hexamethylindanopyran		
CAS:		1222-05-5		
ORAL		INHALATION	SKIN	NOTES
Rat LD50: > 3000 mg/kg bw		Rat LC50: > 5040 mg/m³ air	Rat LD50: > 3250gm/kg bw	--
The values entered in this section are those available, at the time of drafting this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.				

<div>Mr&Mrs</div> <div>FRAGRANCE</div>	<div>MATERIAL SAFETY DATA SHEET</div> <div>WILD STRAWBERRY</div>		GIGI
	Current revision date: 26/05/2023	Current revision number: 01	
	Previous revision date: 28/12/2020		Previous revision number: 00

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

Environmental Release Categories: ERC11a - Widespread use of articles with low release (indoor)

12.1 Toxicity

The product is dangerous for the environment as it is harmful to aquatic life with long lasting effects.

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

Ecotoxicological information specific to the substances contained

Substance:	Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate				
CAS:	77-83-8				
LC50 – fish	96h: 4.2 mg/L	Species	Oncorhynchus mykiss	Guideline	OECD203
EC50 – aquatic invertebrates	48h: 52 mg/L	Species	Daphnia Magna	Guideline	OECD202
ERL50 - algae and cyanobacteria	72h: 36 mg/L	Species	Pseudokirchneriella subcapitata	Guideline	OECD201
NOEC Cronica fish	--	Species	--	Guideline	--
NOEC Cronica aquatic invertebrates	--	Species	--	Guideline	--
NOErL Cronic algae and cyanobacteria	72h: 9.3 mg/L	Specie	Desmodesmus subspicatus	Guideline	OECD201

Substance:	Gamma-undecalactone / Undecan-4-olide				
CAS:	104-67-6				
LC50 – fish	96h - 4.2 mg/L	Species	: Oncorhynchus mykiss	Guideline	: OECD203
EC50 – aquatic invertebrates	48h - 52 mg/L	Species	: Daphnia Magna	Guideline	: OECD202
ERL50 - algae and cyanobacteria	72h – 36 mg/L	Species	: Pseudokirchneriella subcapitata	Guideline	: OECD201
NOEC Cronica fish	--	Species	: --	Guideline	: --
NOEC Cronica aquatic invertebrates	--	Species	: --	Guideline	: --
NOErL Cronic algae and cyanobacteria	72h - 9.3 mg/L	Specie	: Desmodesmus subspicatus	Guideline	: OECD201

Substance:	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)				
CAS:	13475-82-6				
LC50 – fish	96h: >1028 mg/L	Species	Scophthalmus maximus	Guideline	OECD203
EC50 – aquatic invertebrates	48h: >3000 mg/L	Species	Acartia tonsa	Guideline	ISO 14669 - 1999 Water quality
EC50 - aquatic algae and cyanobacteria	72h: 3.83 mg/L	Species	Skeletonema costatum	Guideline	ISO 10253
NOEC chronic fish	--	Species	--	Guideline	--
NOEC chronic invertebrates	--	Species	--	Guideline	--
NOEC chronic algae and cyanobacteria	--	Specie	--	Guideline	--

Substance:	Hexamethylindanopyran				
CAS:	1222-05-5				
LC50 – fish	96h: 0.95 mg/L	Species	Medaka larvae	Guideline	OECD 203
EC50 – aquatic invertebrates	48h: 0.3 mg/L	Species	Daphnia magna	Guideline	OECD 202
ERL50 - algae and cyanobacteria	72h: > 0.7 mg/L	Species	Pseudokirchneriella subcapitata	Guideline	OECD 201
NOEC Cronica fish	--	Species	--	Guideline	--
NOEC Cronica aquatic invertebrates	48h: 0.3 mg/l	Species	--	Guideline	--
NOErL Cronic algae and cyanobacteria	72h: 0.23 mg/L	Species	Pseudokirchneriella subcapitata	Guideline	OECD 201

12.2 Persistence and degradability

Data not available for the mixture.

Specific biodegradation information for the substances contained

Substance:	Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate		
CAS:	77-83-8		
Biodegradation in water	Intrinsically biodegradable	Test time	36d

Substance:	Gamma-undecalactone / Undecan-4-olide		
CAS:	104-67-6		
Biodegradation in water	Easily biodegradable	Test time	28d

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

Substance:	Hexamethylindanopyran		
CAS:	1222-05-5		
Biodegradation in water	Not readily biodegradable	Test time	28d

12.3 Bioaccumulative potential

Data not available for the mixture.

Bioaccumulation information specific to the substances contained

Substance:	Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate		
CAS:	77-83-8		
Partition coefficient: octanol/water :	Log Kow (Log Pow): 2.8 a 25°C		
BCF	:	--	

Substance:	Gamma-undecalactone / Undecan-4-olide		
CAS:	104-67-6		
Partition coefficient: octanol/water	Log Kow (Log Pow): 3.6 a 25°C		
BCF	2.01 The result indicates that the substance is not expected to be bioaccumulative according to the CLP and PBT criteria (BCF < 500 and 2000, respectively)		

<div>Mr&Mrs</div> <div>FRAGRANCE</div>	MATERIAL SAFETY DATA SHEET		GIGI
	WILD STRAWBERRY		
Current revision date: 26/05/2023	Current revision number: 01	Previous revision date: 28/12/2020	Previous revision number: 00

Substance:	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)		
CAS:	13475-82-6		
Coefficient: n-octanol / water	log Pow 6,96		
BCF	811.55 L/kg		

Substance:	Hexamethylindanopyran		
CAS:	1222-05-5		
Partition coefficient: n-octanol / water	Log Kow (Log Pow): 5.3 a 25°C		
BCF	(aquatic species): 1 584 L / kg bw (terrestrial species): 2 395 L / kg bw		

12.4 Mobility in soil

Data not available for the mixture.

Mobility information in soil specific to the substances contained

Substance:	Ethyl methylphenylglycidate / Ethyl 2,3-epoxy-3-phenylbutyrate
CAS:	77-83-8
Koc at 20 °C: 550 (LogKoc: 2.74)	

Substance:	Gamma-undecalactone / Undecan-4-olide
CAS:	104-67-6
The adsorption coefficient of the substance was estimated at 599.8 L/kg, corresponding to a log Koc of 2.78. The result indicates that the substance has low mobility in soil (according to PJ McCall et al., 1981).	

Substance:	2,2,4,6,6-pentamethylheptane (INCI: Isododecane)
CAS:	13475-82-6
The adsorption coefficient was calculated using Petrorsk. This substance is best represented by 2,2,4,6,6-pentamethylheptane from the Concawe Library (Compound Id - 1503). The log Koc of this substance is 4.91. The Koc of this substance is 8.13 x10^4.	

Substance:	Hexamethylindanopyran
CAS:	1222-05-5
Log 4.16 (Koc: 14.300 L/kg) the substance will have a high potential for adsorption into sediment/soil.	

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 - Sensitizing
RECOVERY OPERATIONS (Directive 2008/98 / EC):	R 13 Storage of waste pending any of the operations numbered R 1 to R 12
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 :	16 03 05* organic wastes containing hazardous substances

Methods for handling any contaminated packaging:

DANGER FEATURES (Directive 2008/98 / EC):	HP13 - Sensitizing
RECOVERY OPERATIONS (Directive 2008/98 / EC):	R 13 Storage of waste pending any of the operations numbered R 1 to R 12
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 10* packaging containing residues of or contaminated by hazardous substances

Physical / chemical properties that can affect waste treatment:

None

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 regulations on the transport of dangerous goods: 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	
14.3	Transport hazard class(es)		Not applicable	
14.4	Packing group		Not applicable	
14.5	Environmental hazards		Not applicable	
14.6	Special precautions for user		Not applicable	
14.7	Maritime transport in bulk according to IMO instruments		Not applicable	

SECTION 15: Regulatory information

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

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.

<div>Mr&Mrs</div> <div>FRAGRANCE</div>	MATERIAL SAFETY DATA SHEET		GIGI
	WILD STRAWBERRY		
Current revision date: 26/05/2023	Current revision number: 01	Previous revision date: 28/12/2020	Previous revision number: 00

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 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC

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

SEVESO Category
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

This sheet completely replaces all previous versions.

16.2 Key abbreviations and acronyms used in this SDS

APVR	Respiratory protective equipment	FPO	Operational protection factor
ATE	Acute Toxicity Estimates	GHS	Globally Harmonized System
BCF	Bioconcentration Factor	HP	Hazardous Properties
CAS	Chemical abstract service	IMO	International Maritime Organization
CE	European Community	ISO	International Standard Organization
CLP	Classification, Labelling and Packaging	LC50	Median lethal concentration
COV	Volatile Organic Compounds	LD50	Median lethal dose
DNEL	Derived No Effect Level	N.A.S.	Not otherwise specified
DPI	Dispositivi di Protezione Individuale	NOEC	No observed effect concentration
EC	European Community	ONU	United Nations Organization
EC50	Half maximal effective concentration	PBT	Persistent, Bioaccumulative and Toxic Substances
ECHA	European Chemicals Agency	vPvB	Very Persistent and very Bioaccumulative substances
EER	European Waste List	ppm	Parts per million
EmS	Emergency Schedules	PROC	Category of processes
EN	European normalization	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
ERC	Environmental release categories	STOT	Specific target organ toxicity
EUH	Supplemental hazard information	STP	Sewage treatment plant
EuPCS	European Product Categorisation System	UE	European Union
FPN	Protection factor Nominal	UFI	Unique Identifier of Formula
FFP	Filtering Facepiece	UNI	Italian Standard Organization.

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
Skin. Sens. 1B - Sensitisation — Skin, hazard category 1B	H317 - May cause an allergic skin reaction.
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411 - Toxic to aquatic life with long lasting effects
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412 - Harmful to aquatic life with long lasting effects
Flam. Liq. 3 - Flammable liquids, Hazard Category 3	H226 - Flammable liquid and vapour.
Asp. Tox. 1 - Aspiration hazard, Hazard Category 1	H304 - May be fatal if swallowed and enters airways.
Aquatic Chronic 4 - Hazardous to the aquatic environment — Chronic Hazard, Category 4	H413 - May cause long lasting harmful effects to aquatic life
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute Hazard, Category 1	H400 - Very toxic to aquatic life.
Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410 - Very toxic to aquatic life with long lasting effects
Supplemental hazard statements set out in section 3	
EUH066 =Repeated exposure may cause skin dryness or cracking	
M-Factor 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

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

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

Code ⁽¹⁾	State	Bibliography / documents --> LINK	
AUS	Australia	https://www.dguv.de/ifa/...../limit-values-australia/index-2.jsp	https://engage.swa.gov.au/workplace-exposure-standards-review
		https://www.safeworkaustralia.gov.au/exposure-standards#exposure-standards-in-australia	
AUT	Austria	https://www.dguv.de/ifa/...../limit-values-austria/index-2.jsp	https://www.iusline.at/gesetz/pkv_2011
		https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20001418	
BEL	Belgium	https://www.dguv.de/ifa/...../limit-values-belgium/index-2.jsp	https://employment.belgium.be/en
BGR	Bulgaria	https://pirogov.eu/bg/	
CAN	Canada-Ontario	https://www.dguv.de/ifa/...../limit-values-canada-ontario/index-2.jsp	https://www.labour.gov.on.ca/english/hs/pubs/oel_table.php
CAN	Canada-Québec	https://www.dguv.de/ifa/...../limit-values-canada-quebec/index-2.jsp	http://legisquebec.gouv.qc.ca/fr/showdoc/cr/S-....
		https://www.csst.qc.ca/Pages/index.aspx	
CYP	Cyprus	http://www.mlsi.gov.cy/	
CAE	Czech Republic	https://www.mzcr.cz/	
HRV	Croatia	https://www.hzt.hr	
DNK	Denmark	https://www.dguv.de/ifa/...../limit-values-denmark/index-2.jsp	https://www.retsinformation.dk/eli/lt/2019/1458
EST	Estonia	http://www.16662.ee/	
EU ⁽²⁾	European Union	https://www.dguv.de/ifa/...../limit-values-european-union/index-2.jsp	https://eur-lex.europa.eu/legal-content/EN/TEXT/?uri=CELEX:31998L0024

<div>Mr&Mrs</div> <div>FRAGRANCE</div>		<div>MATERIAL SAFETY DATA SHEET</div> <div>WILD STRAWBERRY</div>		<div>GIGI</div>	
Current revision date: 26/05/2023		Current revision number: 01		Previous revision date: 28/12/2020	
				Previous revision number: 00	
		https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1523372586043&uri=CELEX:32004L0037			
FIN	Finland	https://www.dguv.de/ifa/...../limit-values-finland/index-2.jsp	https://julkaisut.valtioneuvosto.fi/handle/10024/160967		
FRA	France	https://www.dguv.de/ifa/...../limit-values-france/index-2.jsp	https://www.anses.fr/fr		
		http://www.inrs.fr/acceuil/dms/inrs/CataloguePapier/ED/TI-ED-984/ed984.pdf			
DEU	Germany (AGS)	https://www.dguv.de/ifa/...../limit-values-germany-(ags)/index-2.jsp	https://www.baua.de/DE/...../Regelwerk/TRGS/pdf/TRGS-900.pdf		
DEU	Germany (DFG)	https://www.dguv.de/ifa/...../limit-values-germany-(dfg)/index-2.jsp	https://www.dfg.de/en/dfg_profile/...../health_hazards/index.html		
		https://www.dfg.de/dfg_profile/gremien/senat/arbeitsstoffe/publikationen/index.html			
GRC	Greece	http://www.gcsl.gr/			
HUN	Hungary	https://www.dguv.de/ifa/...../limit-values-hungary/index-2.jsp	https://www.biztonsagiatlap.hu/...../5_2020-II-6-ITM-rendelet.pdf		
ISL	Iceland	https://www.ust.is/the-environment-agency-of-iceland/chemicals/			
IRL	Ireland	https://www.dguv.de/ifa/...../limit-values-ireland/index-2.jsp	https://www.hsa.ie/eng/.../2016_CodePracticeChemicalAgentsRegulations/		
ITA	Italy	https://www.dguv.de/ifa/...../limit-values-italy/index-2.jsp	http://www.preparatipericolosi.iss.it		
JPN	Japan (MHLW)	https://www.dguv.de/ifa/...../limit-values-japan/index-2.jsp	https://www.mhlw.go.jp/english/index.html		
JPN	Japan (JSOH)	https://www.dguv.de/ifa/...../limit-values-japan-(jsoh)/index-2.jsp	https://www.sanei.or.jp/		
LVA	Latvia	https://www.dguv.de/ifa/...../limit-values-latvia/index-2.jsp	https://likumi.lv/doc.php?id=157382&from=off		
LTU	Lithuania	http://www.gamta.lt/			
LUX	Luxembourg	http://www.ms.public.lu/fr/			
MLT	Malta	https://mccaa.org.mt/			
NZL	New Zealand	https://www.dguv.de/ifa/...../limit-values-new-zealand/index-2.jsp	https://worksafe.govt.nz/.work-health/./std-biol-exposure-indices/		
NOR	Norway	http://www.miljodirektoratet.no/	https://www.fhi.no/en/		
CHN	People's Republic of China	https://www.dguv.de/ifa/...../limit-values-china/index-2.jsp	http://www.nhpc.gov.cn/zhuz/pyl/200704/38838.shtml		
POL	Poland	https://www.dguv.de/ifa/...../limit-values-poland/index-2.jsp	http://www.ciop.pl/		
PRT	Portugal	http://www.inem.pt/ciav			
ROU	Romania	https://www.dguv.de/ifa/...../limit-values-romania/index-2.jsp	http://www.mmuncii.ro/.../5114-11042018_modif_HG-1218_Ag_chimici.pdf		
SGP	Singapore	https://www.dguv.de/ifa/...../limit-values-singapore/index-2.jsp	https://sso.agc.gov.sg/Act/WSHA2006		
SVK	Slovakia	http://www.ntic.sk/			
SVN	Slovenia	http://www.uk.gov.si/			
KOR	South Korea	https://www.dguv.de/ifa/...../limit-values-south-korea/index-2.jsp	http://www.kiha.kr/main/community_view.htm?uid=763&tbn=gongi&page=3		
ESP	Spain	https://www.dguv.de/ifa/...../limit-values-spain/index-2.jsp	https://www.insst.es/		
SWE	Sweden	https://www.dguv.de/ifa/...../limit-values-sweden/index-2.jsp	https://www.av.se/.../hygieniska-gransvarden-afs-20181-foreskrifter/		
CHE	Switzerland	https://www.dguv.de/ifa/...../limit-values-switzerland/index-2.jsp	http://suissepro.org/		
		https://www.suva.ch/de-CH/.....			
NLD	The Netherlands	https://www.dguv.de/ifa/...../limit-values-the-netherlands/index-2.jsp	https://www.ser.nl/en		
		https://wetten.overheid.nl/BWBR0008587/2017-07-01-#BijlageXIII			
TUR	Turkey	https://www.dguv.de/ifa/...../limit-values-turkey/index-2.jsp			
USA	USA - NIOSH	https://www.dguv.de/ifa/...../limit-values-usa-niosh/index-2.jsp	https://www.cdc.gov/niosh/		
USA	USA - OSHA	https://www.dguv.de/ifa/...../limit-values-usa-osha/index-2.jsp	www.osha.gov		
GBR	United Kingdom	https://www.dguv.de/ifa/...../limit-values-united-kingdom/index-2.jsp	https://www.hse.gov.uk/research/hsl_pdf/2002/hsl02-23.pdf		

⁽¹⁾ ISO3166-1 alpha-3 ⁽²⁾ NO ISO CODE

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 higher 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