

GO SUNNY MANGO

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

1.1 Product identifier:

GO SUNNY MANGO

Other means of identification:

Non-applicable

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

Relevant uses: Air freshener

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MB ELIX sp. z oo sp.k. ul. Skarżyńskiego 26 54-530 Wrocław - Poland Phone: 0048 71 387 85 33 - Fax: 0048 71 722 29 68 lab@elix.pl www.elixscent.com

1.4 Emergency telephone number: 0048 71 387 85 33 (8.00-16.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411 Eye Irrit. 2: Eye irritation, Category 2, H319 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

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

P102: Keep out of reach of children.

P273: Avoid release to the environment.

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

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

P332+P313: If skin irritation occurs: Get medical advice/attention.

P501: Dispose of contents/container to approved disposal site, in accordance with local regulations.

Supplementary information:

Contains hexamethylene-1,6-diisocyanate homopolymer, 3,7-dimethyloctan-3-ol, 3,7-dimethylocta-2,6-dien-1-ole, hexyl cinnamal, alpha-pinene, dipentene, ethyl methylphenylglycidate, citronellol, 2,4-dimethyl-3-cyclohexen-1-carboxaldehyde.

Additional Labelling:

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification	Chemical name/Classification	Concentration
CAS: EC: Index: REACH:	78-69-3 201-133-9 Non-applicable 01-2119454788-21-XXXX	3,7-dimethyloctan-3-ol(1) Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	5 - <7,5 %
	104-67-6 203-225-4 Non-applicable 01-2119959333-34- XXXX	Undecan-4-olide(1) Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412	3 - <4 %
	106-24-1 203-377-1 603-241-00-5 01-2119454788-21-XXXX	3,7-dimethylocta-2,6-dien-1-ole ⁽¹⁾ Self-classified Regulation 1272/2008 Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	2 - <3 %
	101-86-0 202-983-3 Non-applicable 01-2119533092-50	Hexyl cinnamal(1) Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	2 - <3 %
	7785-26-4 232-077-3 Non-applicable 01-2119979519-16-XXXX	alpha-Pinene(1) Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger (1)	2 - <3 %
	138-86-3 205-341-0 601-029-00-7 Non-applicable	Dipentene(1) Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	2 - <3 %
	88-41-5 201-828-7 Non-applicable 01-2119970713-33	2-tert-butylcyclohexyl acetate ⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411	1 - <2 %
	80-26-2 201-265-7 Non-applicable 01-2119980733-29- XXXX	P-menth-1-en-8-yl acetate(1) Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411	1 - <2 %
	28182-81-2 931-274-8 Non-applicable 01-2119485796-17-xxxx	hexamethylene-1,6-diisocyanate homopolymer ⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning	1 - <2 %
	77-83-8 201-061-8 Non-applicable 01-2119967770-28-XXXX	Ethyl methylphenylglycidate(1) Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning	0,75 - <1 %
	106-22-9 203-375-0 Non-applicable 01-2119453995-23	Citronellol(1) Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,75 - <1 %
	68039-49-6 268-264-1 Non-applicable 01-2119982384-28	2,4-dimethyl-3-cyclohexen-1-carboxaldehyde ⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,25 - <0,5 %
	16409-43-1 240-457-5 Non-applicable 01-2119976300-42- XXXX	(z)-rose oxide ⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Repr. 2: H361; Skin Irrit. 2: H315 - Warning	0,1 - <0,25 %

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Acu	Acute toxicity	
hexamethylene-1,6-diisocyanate homopolymer	LD50 oral	Non-applicable	
CAS: 28182-81-2	LD50 dermal	Non-applicable	
EC: 931-274-8	LC50 inhalation	1,5 mg/L (ATEi)	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:	5 °C
Maximum Temp.:	35 °C
Maximum time:	36 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

DNEL (Workers):



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short	exposure	Long	exposure
Identification		Systemic	Local	Systemic	Local
3,7-dimethyloctan-3-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 78-69-3	Dermal	Non-applicable	Non-applicable	3,16 mg/kg	Non-applicable
EC: 201-133-9	Inhalation	Non-applicable	Non-applicable	11,14 mg/m ³	Non-applicable
3,7-dimethylocta-2,6-dien-1-ole	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-24-1	Dermal	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
EC: 203-377-1	Inhalation	Non-applicable	Non-applicable	161,6 mg/m ³	Non-applicable
alpha-Pinene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7785-26-4	Dermal	Non-applicable	Non-applicable	1,76 mg/kg	Non-applicable
EC: 232-077-3	Inhalation	Non-applicable	Non-applicable	6,03 mg/m ³	Non-applicable
hexamethylene-1,6-diisocyanate homopolymer	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 28182-81-2	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 931-274-8	Inhalation	Non-applicable	1 mg/m ³	Non-applicable	0,5 mg/m ³
Ethyl methylphenylglycidate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 77-83-8	Dermal	Non-applicable	Non-applicable	0,7 mg/kg	Non-applicable
EC: 201-061-8	Inhalation	Non-applicable	Non-applicable	2,45 mg/m ³	Non-applicable
Citronellol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-22-9	Dermal	Non-applicable	Non-applicable	327,4 mg/kg	Non-applicable
EC: 203-375-0	Inhalation	Non-applicable	10 mg/m ³	161,6 mg/m ³	10 mg/m ³
(z)-rose oxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 16409-43-1	Dermal	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
EC: 240-457-5	Inhalation	Non-applicable	Non-applicable	1,2 mg/m ³	Non-applicable

DNEL (General population):

		Short	exposure	Lor	ng exposure
Identification		Systemic	Local	Systemic	Local
3,7-dimethyloctan-3-ol	Oral	Non-applicable	Non-applicable	1,58 mg/kg	Non-applicable
CAS: 78-69-3	Dermal	Non-applicable	Non-applicable	1,58 mg/kg	Non-applicable
EC: 201-133-9	Inhalation	Non-applicable	Non-applicable	2,75 mg/m ³	Non-applicable
3,7-dimethylocta-2,6-dien-1-ole	Oral	Non-applicable	Non-applicable	13,75 mg/kg	Non-applicable
CAS: 106-24-1	Dermal	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
EC: 203-377-1	Inhalation	Non-applicable	Non-applicable	47,8 mg/m ³	Non-applicable
alpha-Pinene	Oral	Non-applicable	Non-applicable	0,628 mg/kg	Non-applicable
CAS: 7785-26-4	Dermal	Non-applicable	Non-applicable	0,628 mg/kg	Non-applicable
EC: 232-077-3	Inhalation	Non-applicable	Non-applicable	1,07 mg/m ³	Non-applicable
Ethyl methylphenylglycidate	Oral	Non-applicable	Non-applicable	0,35 mg/kg	Non-applicable
CAS: 77-83-8	Dermal	Non-applicable	Non-applicable	0,35 mg/kg	Non-applicable
EC: 201-061-8	Inhalation	Non-applicable	Non-applicable	0,61 mg/m ³	Non-applicable
Citronellol	Oral	Non-applicable	Non-applicable	13,8 mg/kg	Non-applicable
CAS: 106-22-9	Dermal	Non-applicable	Non-applicable	196,4 mg/kg	Non-applicable
EC: 203-375-0	Inhalation	Non-applicable	10 mg/m ³	47,8 mg/m ³	10 mg/m ³
(z)-rose oxide	Oral	Non-applicable	Non-applicable	0,2 mg/kg	Non-applicable
CAS: 16409-43-1	Dermal	Non-applicable	Non-applicable	0,2 mg/kg	Non-applicable
EC: 240-457-5	Inhalation	Non-applicable	Non-applicable	0,3 mg/m ³	Non-applicable
PNEC:					
Identification					
3,7-dimethyloctan-3-ol	STP	450 mg/L	Fresh water		0,009 mg/L
CAS: 78-69-3	Soil	0,011 mg/kg	Marine water		0,001 mg/L
EC: 201-133-9	Intermittent	0,089 mg/L	Sediment (Fresh	water)	0,082 mg/kg
	Oral	Non-applicable	Sediment (Marine	e water)	0,008 mg/kg



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
3,7-dimethylocta-2,6-dien-1-ole	STP	0,7 mg/L	Fresh water	0,011 mg/L
CAS: 106-24-1	Soil	0,017 mg/kg	Marine water	0,001 mg/L
EC: 203-377-1	Intermittent	0,108 mg/L	Sediment (Fresh water)	0,115 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,011 mg/kg
alpha-Pinene	STP	0,2 mg/L	Fresh water	0,000606 mg/L
CAS: 7785-26-4	Soil	0,0317 mg/kg	Marine water	0,000061 mg/L
EC: 232-077-3	Intermittent	0,00303 mg/L	Sediment (Fresh water)	0,157 mg/kg
	Oral	0,00876 g/kg	Sediment (Marine water)	0,0157 mg/kg
P-menth-1-en-8-yl acetate	STP	10 mg/L	Fresh water	0,0069 mg/L
CAS: 80-26-2	Soil	0,086 mg/kg	Marine water	0,00069 mg/L
EC: 201-265-7	Intermittent	Non-applicable	Sediment (Fresh water)	0,453 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,045 mg/kg
hexamethylene-1,6-diisocyanate homopolymer	STP	88 mg/L	Fresh water	0,127 mg/L
CAS: 28182-81-2	Soil	53183 mg/kg	Marine water	0,013 mg/L
EC: 931-274-8	Intermittent	1,27 mg/L	Sediment (Fresh water)	266701 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	26670 mg/kg
Ethyl methylphenylglycidate	STP	10 mg/L	Fresh water	0,008 mg/L
CAS: 77-83-8	Soil	0,038 mg/kg	Marine water	0,0084 mg/L
EC: 201-061-8	Intermittent	0,084 mg/L	Sediment (Fresh water)	0,214 mg/kg
	Oral	0,0233 g/kg	Sediment (Marine water)	0,021 mg/kg
Citronellol	STP	580 mg/L	Fresh water	0,002 mg/L
CAS: 106-22-9	Soil	0,004 mg/kg	Marine water	0 mg/L
EC: 203-375-0	Intermittent	0,024 mg/L	Sediment (Fresh water)	0,026 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,003 mg/kg
(z)-rose oxide	STP	10 mg/L	Fresh water	0,0332 mg/L
CAS: 16409-43-1	Soil	0,437 mg/kg	Marine water	0,00332 mg/L
EC: 240-457-5	Intermittent	0,332 mg/L	Sediment (Fresh water)	2,29 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,229 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.



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Pictogr	am	PPE	Labelling	CEN Standard		Remarks
	v	Vork clothing	CATI		perio profes in	ace before any evidence of deterioration. F bds of prolonged exposure to the product fr sional/industrial users CE III is recommend accordance with the regulations in EN ISO 2013, EN ISO 6530:2005, EN ISO 13688:20 EN 464:1994.
	Anti	slip work shoes	CAT II	EN ISO 20347:2012	perio profes	ace before any evidence of deterioration. Fr ods of prolonged exposure to the product for sional/industrial users CE III is recommend accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007
F Additional e	emergency mea		tandards	Emergency meas	sure	Standards
	ency shower	AN	SI Z358-1 11, ISO 3864-4:2011	Eyewash statio		DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Solid
Appearance:	Compact
Colour:	Yellow
Odour:	Pleasant
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1021,1 kg/m³
Relative density at 20 °C:	1,021
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
*Not relevant due to the nature of the product, not providing i	nformation property of its hazards.



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SECT	TON 9: PHYSICAL AND CHEMICAL PROPERTIES	5 (continued)
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Flammability:	
	Flash Point:	Non-applicable
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	240 °C
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Explosive (Solid):	
	Lower explosive limit:	Non-applicable *
	Upper explosive limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable *
9.2	Other information:	
	Information with regard to physical hazard clas	ses:
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Corrosive to metals:	Non-applicable *
	Heat of combustion:	Non-applicable *
	Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
	Other safety characteristics:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing infor	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
 - Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
 - IARC: Benzyl acetate (3)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	A	Acute toxicity	
3,7-dimethylocta-2,6-dien-1-ole	LD50 oral	4200 mg/kg	Rat
CAS: 106-24-1	LD50 dermal	5100 mg/kg	Rabbit
EC: 203-377-1	LC50 inhalation	Non-applicable	
Hexyl cinnamal	LD50 oral	3100 mg/kg	Rat
CAS: 101-86-0	LD50 dermal	3000 mg/kg	Rabbit
EC: 202-983-3	LC50 inhalation	Non-applicable	



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	A	cute toxicity	Genu
hexamethylene-1,6-diisocyanate homopolymer	LD50 oral	5100 mg/kg	Rat
CAS: 28182-81-2	LD50 dermal	Non-applicable	
EC: 931-274-8	LC50 inhalation	1,5 mg/L (ATEi)	
Undecan-4-olide	LD50 oral	18500 mg/kg	Rat
CAS: 104-67-6	LD50 dermal	Non-applicable	
EC: 203-225-4	LC50 inhalation	Non-applicable	
alpha-Pinene	LD50 oral	500 mg/kg	Rat
CAS: 7785-26-4	LD50 dermal	Non-applicable	
EC: 232-077-3	LC50 inhalation	Non-applicable	
2-tert-butylcyclohexyl acetate	LD50 oral	4600 mg/kg	Rat
CAS: 88-41-5	LD50 dermal	Non-applicable	
EC: 201-828-7	LC50 inhalation	Non-applicable	
P-menth-1-en-8-yl acetate	LD50 oral	5075 mg/kg	Rat
CAS: 80-26-2	LD50 dermal	Non-applicable	
EC: 201-265-7	LC50 inhalation	Non-applicable	
Citronellol	LD50 oral	3450 mg/kg	Rat
CAS: 106-22-9	LD50 dermal	2650 mg/kg	
EC: 203-375-0	LC50 inhalation	Non-applicable	
2,4-dimethyl-3-cyclohexen-1-carboxaldehyde	LD50 oral	2500 mg/kg	
CAS: 68039-49-6	LD50 dermal	Non-applicable	
EC: 268-264-1	LC50 inhalation	Non-applicable	
(z)-rose oxide	LD50 oral	4300 mg/kg	Rat
CAS: 16409-43-1	LD50 dermal	Non-applicable	
EC: 240-457-5	LC50 inhalation	Non-applicable	

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus	
3,7-dimethyloctan-3-ol	LC50	8,9 mg/L (96 h)	Brachydanio rerio	Fish	
CAS: 78-69-3	EC50	14,2 mg/L (48 h)	Daphnia magna	Crustacear	
EC: 201-133-9	EC50	21,6 mg/L (72 h)	Scenedesmus subspicatus	Algae	
Undecan-4-olide	LC50	>10 - 100 mg/L (96 h)		Fish	
CAS: 104-67-6	EC50	>10 - 100 mg/L (48 h)		Crustacear	
EC: 203-225-4	EC50	>10 - 100 mg/L (72 h)		Algae	
Hexyl cinnamal	LC50	>0.1 - 1 mg/L (96 h)		Fish	
CAS: 101-86-0	EC50	>0.1 - 1 mg/L (48 h)		Crustacear	
EC: 202-983-3	EC50	>0.1 - 1 mg/L (72 h)		Algae	
alpha-Pinene	LC50	>0.1 - 1 mg/L (96 h)		Fish	
CAS: 7785-26-4	EC50	>0.1 - 1 mg/L (48 h)		Crustacear	
EC: 232-077-3	EC50	>0.1 - 1 mg/L (72 h)		Algae	
Dipentene	LC50	>0.1 - 1 mg/L (96 h)		Fish	
CAS: 138-86-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacear	
EC: 205-341-0	EC50	>0.1 - 1 mg/L (72 h)		Algae	



SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Concentration	Species	Genus
2-tert-butylcyclohexyl acetate	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 88-41-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 201-828-7	EC50	>1 - 10 mg/L (72 h)		Algae
P-menth-1-en-8-yl acetate	LC50	11 mg/L (96 h)	Pimephales promelas	Fish
CAS: 80-26-2	EC50	10 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-265-7	EC50	8 mg/L (72 h)	Desmodesmus subspicatus	Algae
nexamethylene-1,6-diisocyanate homopolymer	LC50	Non-applicable		
CAS: 28182-81-2	EC50	Non-applicable		
EC: 931-274-8	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae
Ethyl methylphenylglycidate	LC50	4,2 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 77-83-8	EC50	52 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-061-8	EC50	36 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2,4-dimethyl-3-cyclohexen-1-carboxaldehyde	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 68039-49-6	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 268-264-1	EC50	>1 - 10 mg/L (72 h)		Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	De	egradability	Biode	egradability
3,7-dimethyloctan-3-ol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 78-69-3	COD	Non-applicable	Period	28 days
EC: 201-133-9	BOD5/COD	Non-applicable	% Biodegradable	61 %
3,7-dimethylocta-2,6-dien-1-ole	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 106-24-1	COD	Non-applicable	Period	21 days
EC: 203-377-1	BOD5/COD	Non-applicable	% Biodegradable	70 %
alpha-Pinene	BOD5	Non-applicable	Concentration	2 mg/L
CAS: 7785-26-4	COD	Non-applicable	Period	28 days
EC: 232-077-3	BOD5/COD	Non-applicable	% Biodegradable	78 %
Dipentene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 138-86-3	COD	Non-applicable	Period	14 days
EC: 205-341-0	BOD5/COD	Non-applicable	% Biodegradable	69 %
P-menth-1-en-8-yl acetate	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 80-26-2	COD	Non-applicable	Period	28 days
EC: 201-265-7	BOD5/COD	Non-applicable	% Biodegradable	60 %
Ethyl methylphenylglycidate	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 77-83-8	COD	Non-applicable	Period	28 days
EC: 201-061-8	BOD5/COD	Non-applicable	% Biodegradable	53 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bi	Bioaccumulation potential		
3,7-dimethyloctan-3-ol	BCF	99		
CAS: 78-69-3	Pow Log	3.3 Moderate		
EC: 201-133-9	Potential			
3,7-dimethylocta-2,6-dien-1-ole	BCF	110		
CAS: 106-24-1	Pow Log	3.56		
EC: 203-377-1	Potential	High		
Hexyl cinnamal	BCF	17		
CAS: 101-86-0	Pow Log			
EC: 202-983-3	Potential	Low		
alpha-Pinene	BCF	1250		
CAS: 7785-26-4	Pow Log	4.5		
EC: 232-077-3	Potential	Very High		



SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccu	Bioaccumulation potential	
Dipentene	BCF	660	
CAS: 138-86-3	Pow Log	4.57	
EC: 205-341-0	Potential	High	

12.4 Mobility in soil:

Identification	Absorp	otion/desorption	Volatility	
3,7-dimethyloctan-3-ol	Кос	56	Henry	5,54 Pa·m³/mol
CAS: 78-69-3	Conclusion	Very High	Dry soil	Yes
EC: 201-133-9	Surface tension	2,678E-2 N/m (25 °C)	Moist soil	Yes
alpha-Pinene	Кос	2180	Henry	Non-applicable
CAS: 7785-26-4	Conclusion	Low	Dry soil	Non-applicable
EC: 232-077-3	Surface tension	Non-applicable	Moist soil	Non-applicable
Dipentene	Кос	1300	Henry	3242,4 Pa·m ³ /mol
CAS: 138-86-3	Conclusion	Low	Dry soil	Yes
EC: 205-341-0	Surface tension	Non-applicable	Moist soil	Yes
P-menth-1-en-8-yl acetate	Кос	620	Henry	Non-applicable
CAS: 80-26-2	Conclusion	Low	Dry soil	Non-applicable
EC: 201-265-7	Surface tension	Non-applicable	Moist soil	Non-applicable
Ethyl methylphenylglycidate	Кос	240	Henry	Non-applicable
CAS: 77-83-8	Conclusion	Moderate	Dry soil	Non-applicable
EC: 201-061-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
07 01 04*	other organic solvents, washing liquids and mother liquors	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



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SECTION 14: TRANSP	ORT I	NFORMATION (continued)	
		UN number or ID number:	UN3077
<u> </u>		UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
└── < fiin ><¥_>			(Undecan-4-olide; Hexyl cinnamal)
$ \qquad \forall \bigtriangledown$	14.3	Transport hazard class(es):	9
		Labels:	9
		Packing group:	III
		Environmental hazards:	Yes
	14.6	Special precautions for user	274 225 275 (01
		Special regulations: Tunnel restriction code:	274, 335, 375, 601
		Physico-Chemical properties:	- see section 9
		Limited quantities:	5 kg
	14.7	Maritime transport in bulk	•
		according to IMO instruments:	Non-applicable
Transport of da	ngerou	is goods by sea:	
With regard to IM	DG 40-	20:	
	14.1	UN number or ID number:	UN3077
<i>a</i> th 🔊	14.2	UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Undecan-4-olide; Hexyl cinnamal)
	14.3	Transport hazard class(es):	9
		Labels:	9
		Packing group:	III
		Marine pollutant:	Yes
	14.6	Special precautions for user	225 066 274 067 060
		Special regulations:	335, 966, 274, 967, 969
		EmS Codes: Physico-Chemical properties:	F-A, S-F see section 9
		Limited quantities:	5 kg
		Segregation group:	Non-applicable
	14.7	Maritime transport in bulk	Non-applicable
	,	according to IMO instruments:	
Transport of da	ngerou	is goods by air:	
With regard to IA	TA/ICA	D 2023:	
a a		UN number or ID number:	UN3077
	14.2	UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Undecan-4-olide; Hexyl cinnamal)
	14.3	Transport hazard class(es):	9
		Labels:	9
		Packing group:	III
	-	Environmental hazards:	Yes
	14.0	Special precautions for user	con portion 0
		Physico-Chemical properties:	see section 9
	14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable



SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: 3,7-dimethylocta-2,6-dien-1-ole (Product-type 18, 19)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):



SECTION 15: REGULATORY INFORMATION (continued)

Contains more than 0.1 % of hexamethylene-1,6-diisocyanate homopolymer by weight. 1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless: (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or selfemployed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s). 2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless: (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use". 3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks. 4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:

(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).

- (b) the training elements in points (a) and (b) of paragraph 5 for the following uses:
- handling open mixtures at ambient temperature (including foam tunnels)
- spraying in a ventilated booth
- application by roller
- application by brush
- application by dipping and pouring
- mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore
- cleaning and waste
- any other uses with similar exposure through the dermal and/or inhalation route
- (c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:
- handling incompletely cured articles (e.g. freshly cured, still warm)
- foundry applications
- maintenance and repair that needs access to equipment
- open handling of warm or hot formulations (> $45 \circ$ C)

- spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers)

and any other uses with similar exposure through the dermal and/or

- inhalation route.
- 5. Training elements:
- (a) general training, including on-line training, on:
- chemistry of diisocyanates
 toxicity hazards (including acute toxicity)
- exposure to diisocyanates
- occupational exposure limit values
- how sensitisation can develop
- odour as indication of hazard
- importance of volatility for risk
- viscosity, temperature, and molecular weight of diisocyanates
- personal hygiene
- personal protective equipment needed, including practical instructions for its correct use and its limitations
- risk of dermal contact and inhalation exposure
- risk in relation to application process used
- skin and inhalation protection scheme
- ventilation
- cleaning, leakages, maintenance
- discarding empty packaging
- protection of bystanders
- identification of critical handling stages
- specific national code systems (if applicable)
- behaviour-based safety
- certification or documented proof that training has been successfully completed
- (b) intermediate level training, including on-line training, on:
- additional behaviour-based aspects
- maintenance
- management of change

Safety data sheet

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legislation



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SECTION 15: REGULATORY INFORMATION (continued)

- evaluation of existing safety instructions
- risk in relation to application process used
- certification or documented proof that training has been successfully completed
- (c) advanced training, including on-line training, on:
- any additional certification needed for the specific uses covered
- spraying outside a spraying booth
- open handling of hot or warm formulations (> 45 °C)
- certification or documented proof that training has been successfully completed

6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture (s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.

7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.

8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.

9. Member States shall include in their reports pursuant to Article 117(1) the following information:

(a) any established training requirements and other risk management measures related to the industrial and professional uses of disocyanates foreseen in national law

(b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates

- (c) national exposure limits for diisocyanates, if there are any
- (d) information about enforcement activities related to this restriction.

10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

H315: Causes skin irritation.

H411: Toxic to aquatic life with long lasting effects.

H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Repr. 2: H361 - Suspected of damaging fertility or the unborn child. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Skin Sens. 1B: H317 - May cause an allergic skin reaction. STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Skin Sens. 1B: Calculation method Skin Irrit. 2: Calculation method Aquatic Chronic 2: Calculation method Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LOgPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon UFI: unique formula identifier IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.