Imperial Rose Fragrance Sticks EU

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

1.1 Product identifier: Imperial Rose Fragrance Sticks EU

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:

Rituals Cosmetics Enterprise
P.O. Box 15500 | 1001 NA Amsterdam
Herengracht 541 | 1017 BW Amsterdam, The Netherlands
SDS Contact: qualityenquiries@rituals.com
Phone Number: +31 (0)20 333 91 00 (9:00-17:00)

1.4 Emergency telephone number:
NVIC: +31 (0)88 755 8000: Only for the purpose of informing medical personnel in case of acute intoxications.

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.

Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger

Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

Contains TRANS-ROSE KETONE-3, CITRONELLOL, LIMONENE, EUGENOL, GERANYL ACETATE, NEROL.

Substances that contribute to the classification

LINALOOL

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

*** Changes with regards to the previous version*

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture of substances

Components:

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

Identification	Chemical name/Classification		Concentration
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol**[1]	Self-classified	**50 - <75 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger 	
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42-XXXX	**Linalool**[1]	Self-classified	**1 - <5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning 	
CAS: 60-12-8 EC: 200-456-2 Index: Non-applicable REACH: 01-2119963921-31-XXXX	**2-phenylethanol**[1]	Self-classified	**1 - <5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning 	
CAS: 319002-92-1 EC: 437-530-0 Index: Non-applicable REACH: 01-0000018277-65-XXXX	**Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate**[1]	Self-classified	**1 - <5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412	
CAS: 106-25-2 EC: 203-378-7 Index: Non-applicable REACH: 01-2119983244-33-XXXX	**Nerol**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning 	
CAS: 106-22-9 EC: 203-375-0 Index: Non-applicable REACH: 01-2119453995-23-XXXX	**Citronellol**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning 	
CAS: 105-87-3 EC: 203-341-5 Index: Non-applicable REACH: 01-2119973480-35-XXXX	**Geranyl acetate**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning 	
CAS: 5989-27-5 EC: 227-813-5 Index: 601-029-00-7 REACH: 01-2119529223-47-XXXX	**d-limonene**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger 	
CAS: 97-53-0 EC: 202-589-1 Index: Non-applicable REACH: 01-2119971802-33-XXXX	**Eugenol**[1]	Self-classified	**0,1 - <1 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning 	
CAS: 71048-82-3 EC: 275-156-8 Index: Non-applicable REACH: 01-2119535122-53-XXXX	**[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one**[1]	Self-classified	**0,01 - <0,1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

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

Other information:

Identification		M-factor	
d-limonene		Acute	1
CAS: 5989-27-5	EC: 227-813-5	Chronic	1
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one		Acute	1
CAS: 71048-82-3	EC: 275-156-8	Chronic	1

*** Changes with regards to the previous version*

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319

*** Changes with regards to the previous version*

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 does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Safety data Sheet

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:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:	5 ºC
Maximum Temp.:	30 ºC
Maximum time:	6 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:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	950 mg/m³	Non-applicable
Linalool	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 78-70-6	Dermal	5 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
EC: 201-134-4	Inhalation	16,5 mg/m³	Non-applicable	2,8 mg/m³	Non-applicable
2-phenylethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 60-12-8	Dermal	Non-applicable	Non-applicable	21,2 mg/kg	Non-applicable
EC: 200-456-2	Inhalation	Non-applicable	Non-applicable	59,9 mg/m³	Non-applicable
Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 319002-92-1	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
EC: 437-530-0	Inhalation	Non-applicable	Non-applicable	8,8 mg/m³	Non-applicable
Nerol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-25-2	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
EC: 203-378-7	Inhalation	Non-applicable	Non-applicable	4,4 mg/m³	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/m³	161,6 mg/m³	10 mg/m³
Geranyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 105-87-3	Dermal	Non-applicable	Non-applicable	35,5 mg/kg	Non-applicable
EC: 203-341-5	Inhalation	Non-applicable	Non-applicable	62,59 mg/m³	Non-applicable
d-limonene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 5989-27-5	Dermal	Non-applicable	Non-applicable	9,5 mg/kg	Non-applicable
EC: 227-813-5	Inhalation	Non-applicable	Non-applicable	66,7 mg/m³	Non-applicable
Eugenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 97-53-0	Dermal	Non-applicable	Non-applicable	6 mg/kg	Non-applicable
EC: 202-589-1	Inhalation	Non-applicable	Non-applicable	21,2 mg/m³	Non-applicable
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 71048-82-3	Dermal	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
EC: 275-156-8	Inhalation	Non-applicable	Non-applicable	1,5 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	114 mg/m³	Non-applicable
Linalool	Oral	1,2 mg/kg	Non-applicable	0,2 mg/kg	Non-applicable
CAS: 78-70-6	Dermal	2,5 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable
EC: 201-134-4	Inhalation	4,1 mg/m³	Non-applicable	0,7 mg/m³	Non-applicable
2-phenylethanol	Oral	5,1 mg/kg	Non-applicable	5,1 mg/kg	Non-applicable
CAS: 60-12-8	Dermal	Non-applicable	Non-applicable	12,7 mg/kg	Non-applicable
EC: 200-456-2	Inhalation	Non-applicable	Non-applicable	17,7 mg/m³	Non-applicable
Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate	Oral	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
CAS: 319002-92-1	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
EC: 437-530-0	Inhalation	Non-applicable	Non-applicable	2,17 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Nerol	Oral	Non-applicable	Non-applicable	0,62 mg/kg	Non-applicable
CAS: 106-25-2	Dermal	Non-applicable	Non-applicable	0,62 mg/kg	Non-applicable
EC: 203-378-7	Inhalation	Non-applicable	Non-applicable	1,09 mg/m³	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/m³	47,8 mg/m³	10 mg/m³
Geranyl acetate	Oral	Non-applicable	Non-applicable	8,9 mg/kg	Non-applicable
CAS: 105-87-3	Dermal	Non-applicable	Non-applicable	17,75 mg/kg	Non-applicable
EC: 203-341-5	Inhalation	Non-applicable	Non-applicable	15,4 mg/m³	Non-applicable
d-limonene	Oral	Non-applicable	Non-applicable	4,8 mg/kg	Non-applicable
CAS: 5989-27-5	Dermal	Non-applicable	Non-applicable	4,8 mg/kg	Non-applicable
EC: 227-813-5	Inhalation	Non-applicable	Non-applicable	16,6 mg/m³	Non-applicable
Eugenol	Oral	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
CAS: 97-53-0	Dermal	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
EC: 202-589-1	Inhalation	Non-applicable	Non-applicable	5,22 mg/m³	Non-applicable
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	Oral	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
CAS: 71048-82-3	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
EC: 275-156-8	Inhalation	Non-applicable	Non-applicable	0,43 mg/m³	Non-applicable

PNEC:

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg
Linalool	STP	10 mg/L	Fresh water	0,2 mg/L
CAS: 78-70-6	Soil	0,327 mg/kg	Marine water	0,02 mg/L
EC: 201-134-4	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg
2-phenylethanol	STP	10 mg/L	Fresh water	0,215 mg/L
CAS: 60-12-8	Soil	0,164 mg/kg	Marine water	0,021 mg/L
EC: 200-456-2	Intermittent	2,15 mg/L	Sediment (Fresh water)	1,454 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,145 mg/kg
Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate	STP	10 mg/L	Fresh water	0,013 mg/L
CAS: 319002-92-1	Soil	0,016 mg/kg	Marine water	0,001 mg/L
EC: 437-530-0	Intermittent	0,13 mg/L	Sediment (Fresh water)	0,117 mg/kg
	Oral	0,0278 g/kg	Sediment (Marine water)	0,012 mg/kg
Nerol	STP	12,9 mg/L	Fresh water	0,00745 mg/L
CAS: 106-25-2	Soil	0,0223 mg/kg	Marine water	0,000745 mg/L
EC: 203-378-7	Intermittent	0,0745 mg/L	Sediment (Fresh water)	0,133 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0133 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
Geranyl acetate	STP	8 mg/L	Fresh water	0,00372 mg/L
CAS: 105-87-3	Soil	0,086 mg/kg	Marine water	0,000372 mg/L
EC: 203-341-5	Intermittent	0,0372 mg/L	Sediment (Fresh water)	0,442 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,044 mg/kg
d-limonene	STP	1,8 mg/L	Fresh water	0,014 mg/L
CAS: 5989-27-5	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
EC: 227-813-5	Intermittent	Non-applicable	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Eugenol	STP	Non-applicable	Fresh water	0,00113 mg/L
CAS: 97-53-0	Soil	0,015 mg/kg	Marine water	0,000113 mg/L
EC: 202-589-1	Intermittent	0,0113 mg/L	Sediment (Fresh water)	0,081 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	STP	2,41 mg/L	Fresh water	0,007 mg/L
CAS: 71048-82-3	Soil	0,177 mg/kg	Marine water	0,0007 mg/L
EC: 275-156-8	Intermittent	0,0035 mg/L	Sediment (Fresh water)	0,906 mg/kg
	Oral	0,000074 g/kg	Sediment (Marine water)	0,0906 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

Non-applicable

D.- Ocular and facial protection

Non-applicable

E.- Body protection

Non-applicable

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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 ºC:	Liquid
Appearance:	Not available
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	87 ºC
Vapour pressure at 20 ºC:	4708 Pa
Vapour pressure at 50 ºC:	22621,36 Pa (22,62 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	843,9 kg/m³
Relative density at 20 ºC:	0,844

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	21 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

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 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information 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 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	Risk of combustion	Avoid direct impact	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

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SECTION 10: STABILITY AND REACTIVITY (continued)

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 **

11.1 Information on toxicological effects:

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, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- 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 dangerous for the effects mentioned. For more information see section 3.
  IARC: Benzyl acetate (3); Eugenol (3); d-limonene (3); ethanol (1)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous with sensitising effects. For more information see section 3.
- Cutaneous: 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, as it does not contain substances classified as dangerous for this effect. 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 dangerous 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 dangerous 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 dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

*** Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Identification	Acute toxicity		Genus
Linalool	LD50 oral	3000 mg/kg	Rat
CAS: 78-70-6	LD50 dermal	5610 mg/kg	Rabbit
EC: 201-134-4	LC50 inhalation	>20 mg/L (4 h)	
2-phenylethanol	LD50 oral	1610 mg/kg	Rat
CAS: 60-12-8	LD50 dermal	2100 mg/kg	Rabbit
EC: 200-456-2	LC50 inhalation	>20 mg/L (4 h)	
Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate	LD50 oral	>2000 mg/kg	
CAS: 319002-92-1	LD50 dermal	>2000 mg/kg	
EC: 437-530-0	LC50 inhalation	>20 mg/L (4 h)	
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
Nerol	LD50 oral	4500 mg/kg	Rat
CAS: 106-25-2	LD50 dermal	>2000 mg/kg	
EC: 203-378-7	LC50 inhalation	>20 mg/L	
Citronellol	LD50 oral	3450 mg/kg	Rat
CAS: 106-22-9	LD50 dermal	2650 mg/kg	
EC: 203-375-0	LC50 inhalation	>20 mg/L	
Geranyl acetate	LD50 oral	>2000 mg/kg	
CAS: 105-87-3	LD50 dermal	>2000 mg/kg	
EC: 203-341-5	LC50 inhalation	>20 mg/L	
d-limonene	LD50 oral	4400 mg/kg	Rat
CAS: 5989-27-5	LD50 dermal	5100 mg/kg	Rabbit
EC: 227-813-5	LC50 inhalation	>20 mg/L	
Eugenol	LD50 oral	2300 mg/kg	Rat
CAS: 97-53-0	LD50 dermal	>2000 mg/kg	
EC: 202-589-1	LC50 inhalation	>20 mg/L	
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	LD50 oral	1400 mg/kg	Rat
CAS: 71048-82-3	LD50 dermal	>2000 mg/kg	
EC: 275-156-8	LC50 inhalation	>20 mg/L	

*** Changes with regards to the previous version*

SECTION 12: ECOLOGICAL INFORMATION **

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

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION ** (continued)

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
2-phenylethanol	LC50	Non-applicable		
CAS: 60-12-8	EC50	330 mg/L (24 h)	Daphnia magna	Crustacean
EC: 200-456-2	EC50	490 mg/L (72 h)	Scenedesmus subspicatus	Algae
Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate	LC50	>10 - 100 (96 h)		Fish
CAS: 319002-92-1	EC50	>10 - 100 (48 h)		Crustacean
EC: 437-530-0	EC50	>10 - 100 (72 h)		Algae
Geranyl acetate	LC50	>10 - 100 (96 h)		Fish
CAS: 105-87-3	EC50	>10 - 100 (48 h)		Crustacean
EC: 203-341-5	EC50	>10 - 100 (72 h)		Algae
d-limonene	LC50	>0.1 - 1 (96 h)		Fish
CAS: 5989-27-5	EC50	>0.1 - 1 (48 h)		Crustacean
EC: 227-813-5	EC50	>0.1 - 1 (72 h)		Algae
Eugenol	LC50	60.8 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 97-53-0	EC50	Non-applicable		
EC: 202-589-1	EC50	Non-applicable		
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	LC50	>0.1 - 1 (96 h)		Fish
CAS: 71048-82-3	EC50	>0.1 - 1 (48 h)		Crustacean
EC: 275-156-8	EC50	>0.1 - 1 (72 h)		Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
d-limonene	NOEC	0.37 mg/L	Pimephales promelas	Fish
CAS: 5989-27-5 EC: 227-813-5	NOEC	0.08 mg/L	Daphnia magna	Crustacean
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	NOEC	Non-applicable		
CAS: 71048-82-3 EC: 275-156-8	NOEC	0.35 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Degradability		Biodegradability	
ethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 64-17-5	COD	Non-applicable	Period	14 days
EC: 200-578-6	BOD5/COD	Non-applicable	% Biodegradable	89 %
Linalool	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 78-70-6	COD	Non-applicable	Period	28 days
EC: 201-134-4	BOD5/COD	Non-applicable	% Biodegradable	90 %
2-phenylethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 60-12-8	COD	Non-applicable	Period	14 days
EC: 200-456-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
Nerol	BOD5	Non-applicable	Concentration	2 mg/L
CAS: 106-25-2	COD	Non-applicable	Period	28 days
EC: 203-378-7	BOD5/COD	Non-applicable	% Biodegradable	90 %
d-limonene	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 5989-27-5	COD	Non-applicable	Period	28 days
EC: 227-813-5	BOD5/COD	Non-applicable	% Biodegradable	100 %
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 71048-82-3	COD	Non-applicable	Period	28 days
EC: 275-156-8	BOD5/COD	Non-applicable	% Biodegradable	16 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
Linalool	BCF	39
CAS: 78-70-6	Pow Log	2.97
EC: 201-134-4	Potential	Moderate
2-phenylethanol	BCF	6
CAS: 60-12-8	Pow Log	1.36
EC: 200-456-2	Potential	Low
Nerol	BCF	44
CAS: 106-25-2	Pow Log	2.76
EC: 203-378-7	Potential	Moderate
d-limonene	BCF	660
CAS: 5989-27-5	Pow Log	4.83
EC: 227-813-5	Potential	High

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Bioaccumulation potential	
Eugenol	BCF	31
CAS: 97-53-0	Pow Log	2.27
EC: 202-589-1	Potential	Moderate
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	BCF	81
CAS: 71048-82-3	Pow Log	4.2
EC: 275-156-8	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
2-phenylethanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 60-12-8	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 200-456-2	Surface tension	3,807E-2 N/m (25 ºC)	Moist soil	Non-applicable
Nerol	Koc	94	Henry	Non-applicable
CAS: 106-25-2	Conclusion	High	Dry soil	Non-applicable
EC: 203-378-7	Surface tension	Non-applicable	Moist soil	Non-applicable
d-limonene	Koc	6324	Henry	Non-applicable
CAS: 5989-27-5	Conclusion	Immobile	Dry soil	Non-applicable
EC: 227-813-5	Surface tension	2,675E-2 N/m (25 ºC)	Moist soil	Non-applicable
[1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one	Koc	1260	Henry	Non-applicable
CAS: 71048-82-3	Conclusion	Low	Dry soil	Non-applicable
EC: 275-156-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

*** Changes with regards to the previous version*

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

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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

HP3 Flammable, HP4 Irritant — skin irritation and eye damage

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. We do not recommended disposal down the drain. 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 2021 and RID 2021:

14.1	**UN number:**	UN1170
14.2	**UN proper shipping name:**	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	144, 601
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:

14.1	**UN number:**	UN1170
14.2	**UN proper shipping name:**	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	144
	EmS Codes:	F-E, S-D
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1	**UN number:**	UN1170
14.2	**UN proper shipping name:**	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	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

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

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

Article 95, REGULATION (EU) No 528/2012: ethanol (Product-type 1, 2, 4)

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

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

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

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

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 (Regulation (EC) No 2015/830).

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

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION ** (continued)

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):
- New declared substances
  d-limonene (5989-27-5)
- Removed substances
  Dipentene (138-86-3)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
- Hazard statements
- Precautionary statements
- Substances contained in EUH208:
  - New declared substances
    d-limonene (5989-27-5)
  - Removed substances
    Dipentene (138-86-3)

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H225: Highly flammable liquid and vapour.

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:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very 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 Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Sens. 1B: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Minimal 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

*** Changes with regards to the previous version*

- END OF SAFETY DATA SHEET -