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**SAFETY DATA SHEET**

Revision Date 05-Feb-2024

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Version. 2.2

**Section 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product Name** Spring Oxygen-Pro Regular Cartridge; Spring Oxygen-Pro Grande Cartridge  
Spring VIVA!e Cartridge

**UFI:** QFFQ-HUA9-CA11-T3RR

Contains: 1-CYCLOPROPYLMETHYL-4-METHOXYBENZENE, 2,4-DIMETHYL-3- CYCLOHEXENE CARBOXALDEHYDE, CITRAL, EUCALYPTOL, EUGENOL, METHYLOCTYL ACETALDEHYDE, TRANS-ROSE KETONE-1, UNDEC-10-ENAL, UNDECENAL.

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

**Recommended Use** Air freshener

**Uses advised against** No information available

**1.3. Details of the supplier of the safety data sheet**

**Importer**  
Fragrance Delivery Technologies, LTD  
P.O.Box 262800  
Dubai  
United Arab Emirates  
TEL: +9714 887 0577  
email: info@oxygenpowered.com

**UK Address**  
Fragrance Delivery Technologies, LTD  
Unit 4 Enterprise Court, Station Road  
SANDBACH, CW11 3SB  
United Kingdom  
email: info@oxygenpowered.com

**EU Address**  
Fragrance Delivery Technologies, LTD  
Pracela Teixeira Pascoas  
n<sup>o</sup>44 R/C Dt<sup>o</sup> Tras 4490-260  
Portugal  
email: info@oxygenpowered.com

**For further information, please contact**

**E-mail Address** communications@oxygenpowered.com

**1.4. Emergency telephone number**

**Emergency Telephone Number** 1-800-424-9300 USA  
703-527-3887 Outside USA

Europe	112
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**Section 2. Hazards identification**


**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H317 H412	May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P261 P273 P280 <b>Response:</b> P333 + P313  P362 + P364  <b>Disposal:</b> P501	Avoid breathing mist or vapours. Avoid release to the environment. Wear protective gloves.  If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.  Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- Oils, Lavandin 93455-96-0
- 4-tert-butylcyclohexyl acetate 32210-23-4
- 10-undecenal 112-45-8
- 2,4-dimethylcyclohex-3-ene-1-carbaldehyde 68039-49-6
- 2-methoxy-4-(2-propen-1-yl)-phenol (eugenol) 97-53-0
- citral 5392-40-5
- 2-methyldecanal 19009-56-4
- undec-9(10)-enal 1337-83-3
- 1-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-2-enone 24720-09-0
- 1-cyclopropylmethyl-4-methoxybenzene 16510-27-3
- 2-oxabicyclo(2.2.2)octane, 1,3,3-trimethyl- (= Eucalyptol) 470-82-6
- 1-(5,5(3,3)-dimethylcyclohex-1-en-1-yl)pent-4-en-1-one 56973-85-4

### 2.3 Other hazards

Hazards not Otherwise Classified : None

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3. Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [Percent by weight]
methyl benzoate	93-58-3 202-259-7 01-2119969268-21	Acute Tox. 4; H302 <hr/> Acute toxicity estimate  Acute oral toxicity: 1 300 mg/kg	>= 5 - < 10
2,6-dimethyl-7-octen-2-ol	18479-58-8 242-362-4 01-2119457274-37	Skin Irrit. 2; H315 Eye Irrit. 2; H319 <hr/> Acute toxicity estimate  Acute oral toxicity: 3 600,00 mg/kg	>= 1 - < 5
2-propenyl (cyclohexyloxy)acetate	68901-15-5 272-657-3 01-2120770514-54	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 1	>= 1 - < 2,5

		<p>Acute toxicity estimate</p> <p>Acute oral toxicity: 620,00 mg/kg</p>	
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)pent-1-en-3-one	1335-46-2 215-635-0 01-2119471851-35	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 1 - < 2,5
Oils, Lavandin	93455-96-0 8022-15-9 297-384-7 01-2120736147-55	Eye Irrit. 2; H319 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 1 - < 2,5
		<p>Acute toxicity estimate</p> <p>Acute oral toxicity: &gt; 5 000,00 mg/kg Acute dermal toxicity: &gt; 5 000,00 mg/kg</p>	
4-tert-butylcyclohexyl acetate	32210-23-4 250-954-9 01-2119976286-24	Skin Sens. 1B; H317	>= 1 - < 5
		<p>Acute toxicity estimate</p> <p>Acute oral toxicity: 5 000,00 mg/kg Acute dermal toxicity: &gt; 5 000,00 mg/kg</p>	
10-undecenal	112-45-8 203-973-1 01-2119980959-11	Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 0,25 - < 1
		<p>Acute toxicity estimate</p> <p>Acute oral toxicity: &gt; 5 000,00 mg/kg Acute dermal toxicity: &gt; 5 000,00 mg/kg</p>	
2,4-dimethylcyclohex-3-ene-1-	68039-49-6	Skin Irrit. 2; H315	>= 0,25 - < 1

carbaldehyde	943-728-2 01-2119982384-28	Skin Sens. 1; H317 Aquatic Chronic 2; H411  Acute toxicity estimate  Acute oral toxicity: > 3 100,00 mg/kg Acute dermal toxicity: 5 000,00 mg/kg	
2-methoxy-4-(2-propen-1-yl)-phenol (eugenol)	97-53-0 202-589-1 01-2119971802-33	Eye Irrit. 2; H319 Skin Sens. 1B; H317  Acute toxicity estimate  Acute oral toxicity: 2 130,00 mg/kg	>= 0,1 - < 1
citral	5392-40-5 226-394-6 01-2119462829-23	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317  Acute toxicity estimate  Acute oral toxicity: 4 960,00 mg/kg Acute dermal toxicity: 2 250,00 mg/kg	>= 0,1 - < 1
2-methyldecanal	19009-56-4 242-745-6	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 2; H411  Acute toxicity estimate  Acute oral toxicity: > 5 000,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	>= 0,25 - < 1
undec-9(10)-enal	1337-83-3 941-821-2	Acute Tox. 4; H332 Skin Sens. 1B;	>= 0,1 - < 0,25

	01-2120065933-50	H317 Aquatic Chronic 3; H412  Acute toxicity estimate  Acute oral toxicity: > 8 000,00 mg/kg	
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-2-enone	24720-09-0 246-430-4 01-2120105799-47	Acute Tox. 4; H302 Skin Sens. 1B; H317 Aquatic Chronic 2; H411  Acute toxicity estimate  Acute oral toxicity: 1 670,00 mg/kg	>= 0,1 - < 0,25
1-cyclopropylmethyl-4-methoxybenzene	16510-27-3 444-110-0 01-0000018728-58	Eye Irrit. 2; H319 Skin Sens. 1B; H317 Aquatic Chronic 2; H411  Acute toxicity estimate  Acute oral toxicity: > 2 000,00 mg/kg	>= 0,1 - < 0,25
2-oxabicyclo(2.2.2)octane, 1,3,3-trimethyl- (= Eucalyptol)	470-82-6 207-431-5 01-2119967772-24	Flam. Liq. 3; H226 Eye Irrit. 2; H319 Skin Sens. 1B; H317  Acute toxicity estimate  Acute oral toxicity: 2 480 mg/kg	>= 0,1 - < 1
1-(5,5(3,3)-dimethylcyclohex-1-en-1-yl)pent-4-en-1-one	56973-85-4 944-482-9 01-2120739840-52	Skin Sens. 1B; H317 Aquatic Chronic 2; H411	>= 0,1 - < 0,25

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If on skin, rinse well with water.
In case of eye contact	: Remove contact lenses. Immediately flush eyes for at least 15 minutes. Get medical attention.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

Symptoms	: no data available
Risks	: no data available

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

Treatment	: no data available
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## SECTION 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	: Dry chemical Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Water spray
Unsuitable extinguishing media	: High volume water jet

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

Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
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### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6. Accidental release measures

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

- Personal precautions : no data available

### 6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

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

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Not applicable

## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

- Temperature class : no data available  
Fire-fighting class : no data available  
Dust explosion class : no data available

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

Requirements for storage areas and containers	: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage conditions	: Ambient / 10-30°C (50-85°F) Dry, well ventilated, preferably full, hermetically sealed
Advice on common storage	: Protect against light.
Storage class (TRGS 510)	: 10 Combustible liquids
Other data	: No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : no data available

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

#### 8.2.1 Engineering measures

Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

### 8.2.2 Personal protective equipment

- Eye/face protection : Use safety goggles tested according to EN 166/ ANSI Z87.1 or equivalent local standard.
- Hand protection : Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently.  
If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time.
- Other skin protection : Wear working clothes covering arms and legs. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance at the specific workplace. Use apron and sleeve covers or complete chemical suit if exposure is expected.
- Respiratory protection : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
- In case a risk analysis proved the cartridge respirator as acceptable, use type:  
ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a backup to engineering controls.
- In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or

NIOSH 42 CFR 84(US).

- Thermal hazards : Wear appropriate thermal protective clothing, when necessary.
- Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.  
Do not eat, drink or smoke during work.  
Wash hands any time after handling the product.

### 8.2.3 Environmental exposure controls

- General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state : liquid
- Form : liquid
- Colour : colorless to Very slightly yellow
- Taste : not determined
- Odour : aromatic, fruity
- Odour Threshold : Not applicable
- Flash point : 66 °C Method: Grabner miniflash closed cup
- Lower explosion limit : not determined
- Upper explosion limit : not determined
- Flammability : Not applicable
- Oxidizing properties : no data available
- Auto-ignition temperature : not determined
- Decomposition temperature : no data available
- pH : not determined
- Vapour pressure : 2,002 hPa at 20 °C Calculated (99,9 %)
- Density : 937,30 kg/m<sup>3</sup> at 20 °C
- Bulk density : Not applicable
- Water solubility : not determined
- Solubility/qualitative : practically insoluble
- Partition coefficient: n-octanol/water : Not applicable
- Viscosity, kinematic : no data available
- Relative vapour density : no data available
- Evaporation rate : no data available
- Explosive properties : no data available

### 9.2 Other information

Not applicable

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

none

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : no data available

### 10.5 Incompatible materials

Materials to avoid : no data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : no data available

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Acute oral toxicity** : Acute toxicity estimate  
Dose: > 2 000 mg/kg  
Method: Calculation method

#### Acute oral toxicity

methyl benzoate : LD50: 1 300 mg/kg      Species: Rat

2,6-dimethyl-7-octen-2-ol : LD50: 3 600 mg/kg      Species: Rat

2-propenyl  
(cyclohexyloxy)acetate : LD50: 620 mg/kg      Species: Rat

Oils, Lavandin : LD50: > 5 000 mg/kg      Species: Rat

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4-tert-butylcyclohexyl acetate	: LD50: 5 000 mg/kg	Species: Rat
10-undecenal	: LD50: > 5 000 mg/kg	Species: Rat
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	: LD50: > 3 100 mg/kg	Species: Rat
2-methoxy-4-(2-propen-1-yl)-phenol (eugenol)	: LD50: 2 130 mg/kg	Species: Guinea pig
citral	: LD50: 4 960 mg/kg	Species: Rat
2-methyldecanal	: LD50: > 5 000 mg/kg	Species: Rat
undec-9(10)-enal	: LD50: > 8 000 mg/kg	Species: Rat
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-2-enone	: LD50: 1 670 mg/kg	Species: Rat
1-cyclopropylmethyl-4-methoxybenzene	: LD50: > 2 000 mg/kg	Species: Rat
2-oxabicyclo(2.2.2)octane, 1,3,3-trimethyl- (= Eucalyptol)	: LD50: 2 480 mg/kg	Species: Rat
<b>Acute inhalation toxicity</b>	: No data is available on the product itself.	
<b>Acute dermal toxicity</b>	: No data is available on the product itself.	
<b>Acute dermal toxicity</b> Oils, Lavandin	: LD50: > 5 000 mg/kg	Species: Rabbit
4-tert-butylcyclohexyl acetate	: LD50: > 5 000 mg/kg	Species: Rabbit
10-undecenal	: LD50: > 5 000 mg/kg	Species: Rabbit
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	: LD50: 5 000 mg/kg	Species: Rabbit

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citral : LD50: 2 250 mg/kg Species: Rabbit

2-methyldecanal : LD50: > 5 000 mg/kg Species: Rabbit

**Acute toxicity (other routes of administration)** : No data is available on the product itself.

**Skin corrosion/irritation**

Skin irritation : May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation**

Eye irritation : No data is available on the product itself.

**Respiratory or skin sensitisation**

Sensitisation : No data is available on the product itself.

**Germ cell mutagenicity**

Germ cell mutagenicity : No data is available on the product itself.

**Carcinogenicity**

Carcinogenicity : No data is available on the product itself.

**Reproductive toxicity**

: No data is available on the product itself.

**Target Organ Systemic Toxicant - Single exposure**

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

**Target Organ Systemic Toxicant - Repeated exposure**

Target Organ Systemic Toxicant - Repeated exposure : No data is available on the product itself.

**Aspiration hazard**

Aspiration toxicity : No data is available on the product itself.

**Phototoxicity**

Phototoxicity : No data is available on the product itself.

**Further information** : no data available

## 11.2 Information on other hazards

### Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Further information**

**Product:**

Remarks : no data available

## SECTION 12. Ecological information

### 12.1 Toxicity

**Components:**

**allyl (cyclohexyloxy)acetate:**

M-Factor (Acute aquatic toxicity) : 1

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties****Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

**SECTION 13. Disposal considerations****13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

Dispose of in accordance with local regulations.

**SECTION 14. Transport information****14.1 UN number**

N/A

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

N/A

**14.4 Packing group**

N/A

**14.5 Environmental hazards**

N/A

**14.6 Special precautions for user****IMDG**IMDG Code Segregation : None  
Group**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied.

**SECTION 15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Neither banned nor restricted

Major Accident Hazard Legislation : Not applicable

Water hazard class (Germany) : WGK 2 obviously hazardous to water  
Classification according to AwSV, Annex 1 (5.2)**15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

**SECTION 16. Other information****Full text of H-Statements**

H226 : Flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.  
H412 : Harmful to aquatic life with long lasting effects.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Fragrance Delivery Technologies Ltd..