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SAFETY DATA SHEET

Issuing Date 13-MAR-2023 **Revision Date** 13-MAR-2023 **Version.** 5.1

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

1.1. Product identifier

Product Name Elan Oxygen-Pro Grande Cartridge;

UFI: **2AW4-KD7D-DH0Q-N2HX**

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 Teixiera Pascoas
n^{o}44 R/C Dt^{o} 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

Section 2. Hazards identification

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
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 :

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P261	Avoid breathing mist or vapours.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.

Response:

P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.

Hazardous components which must be listed on the label:

- 2-propenyl 2(3)-methylbutoxyacetate 67634-00-8
- Eucalyptus oil 8000-48-4
- linalool 78-70-6
- 3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate) 115-95-7
- 3,7-dimethyl-6-octen-1-ol (= citronellol) 106-22-9
- geraniol 106-24-1
- 2,2-dimethyl-3-(4(2)-ethylphenyl)propanal 67634-15-5
- 2,4-dimethylcyclohex-3-ene-1-carbaldehyde 68039-49-6
- 2H-1-benzopyran-2-one (=coumarin) 91-64-5
- 1-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-2-enone 24720-09-0
- 3,7-dimethyl-2,6-octadien-1-ol (= 106-25-2

nerol)

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]
3,7-Dimethyl-6-octen-3-ol	18479-51-1 242-359-8 01-2120738993-40	Skin Irrit. 2; H315 --- Acute toxicity estimate Acute oral toxicity: > 5 000,00 mg/kg	>= 1 - < 5
2-propenyl 2(3)-methylbutoxyacetate	67634-00-8 67634-01-9 916-328-0 01-2120794630-50	Acute Tox. 4; H302 Acute Tox. 2; H330 Acute Tox. 4; H312 Aquatic Acute 1; H400 --- M-Factor (Acute aquatic toxicity): 1 --- Acute toxicity estimate	>= 2,5 - < 5

		Acute oral toxicity: 730,00 mg/kg	
Eucalyptus oil	8000-48-4 84625-32-1 283-406-2 01-2119978250-37	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 --- Acute toxicity estimate Acute oral toxicity: 4 440 mg/kg	>= 1 - < 2,5
2,6-dimethyl-7-octen-2-ol	18479-58-8 242-362-4 01-2119457274-37	Skin Irrit. 2; H315 Eye Irrit. 2; H319 --- Acute toxicity estimate Acute oral toxicity: 3 600,00 mg/kg	>= 1 - < 5
linalool	78-70-6 201-134-4 01-2119474016-42	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317 --- Acute toxicity estimate Acute oral toxicity: 2 790,00 mg/kg	>= 1 - < 5
3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)	115-95-7 204-116-4 01-2119454789-19	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317 --- Acute toxicity estimate Acute oral toxicity: 13 934,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	>= 1 - < 5
3,7-dimethyl-6-octen-1-ol (= citronellol)	106-22-9 203-375-0 01-2119453995-23	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 5

		——————— Acute toxicity estimate Acute oral toxicity: 3 450,00 mg/kg Acute dermal toxicity: 2 650,00 mg/kg	
1,7,7-trimethyl-Bicyclo[2.2.1]heptan-2-one (=camphor)	76-22-2 200-945-0 01-2119966156-31	Flam. Sol. 2; H228 Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 2; H371 (Lungs) Aquatic Chronic 2; H411 ——————— Acute toxicity estimate Acute oral toxicity: 1 310,00 mg/kg	>= 1 - < 2,5
2-methyl-2-vinyl-5-(1-hydroxy-1-methylethyl)tetra-hydrofuran (=linalool oxide)	1365-19-1 60047-17-8 215-723-9 262-038-6 01-2120120151-80	Acute Tox. 4; H302 Eye Irrit. 2; H319 ——————— Acute toxicity estimate Acute oral toxicity: 1 150,00 mg/kg Acute dermal toxicity: 2 500,00 mg/kg	>= 1 - < 5
5-methyl-2-(1-methylethyl)-cyclohexanol (= Menthol)	89-78-1 2216-51-5 1490-04-6 15356-70-4 491-01-0 201-939-0 218-690-9 216-074-4 239-388-3 207-723-2 01-2119458866-21 01-2119456815-30	Skin Irrit. 2; H315 Eye Irrit. 2; H319 ——————— Acute toxicity estimate Acute oral toxicity: 2 900,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	>= 1 - < 5
geraniol	106-24-1	Skin Irrit. 2; H315	>= 0,1 - < 1

	203-377-1 01-2119552430-49	Eye Dam. 1; H318 Skin Sens. 1; H317 --- Acute toxicity estimate Acute oral toxicity: 3 600,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	
diphenyl ether	101-84-8 202-981-2 01-2119472545-33	Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 --- M-Factor (Acute aquatic toxicity): 1 --- Acute toxicity estimate Acute oral toxicity: 2 450,00 mg/kg Acute dermal toxicity: > 7 940,00 mg/kg	>= 0,25 - < 1
2,2-dimethyl-3-(4(2)-ethylphenyl)propanal	67634-15-5 67634-14-4 916-329-6 01-2120758796-34	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 --- M-Factor (Acute aquatic toxicity): 1 --- Acute toxicity estimate Acute oral toxicity: > 5 000,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	>= 0,25 - < 1
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 943-728-2	Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 0,25 - < 1

	01-2119982384-28	Aquatic Chronic 2; H411 ——————— Acute toxicity estimate Acute oral toxicity: > 3 100,00 mg/kg Acute dermal toxicity: 5 000,00 mg/kg	
2H-1-benzopyran-2-one (=coumarin)	91-64-5 202-086-7 01-2119949300-45	Acute Tox. 4; H302 Skin Sens. 1B; H317 ——————— Acute toxicity estimate Acute oral toxicity: 520 mg/kg	>= 0,1 - < 1
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	>= 0,25 - < 1
3,7-dimethyl-2,6-octadien-1-ol (= nerol)	106-25-2 203-378-7 01-2119983244-33	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317 ——————— Acute toxicity estimate Acute oral toxicity: 4 500,00 mg/kg	>= 0,1 - < 1

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	:	Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
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

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Dry chemical Alcohol-resistant foam Carbon dioxide (CO2) 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.

5.3 Advice for firefighters

Special protective equipment	:	Wear self-contained breathing apparatus for firefighting if

for firefighters		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	:	Avoid formation of aerosol. 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. Provide sufficient air exchange and/or exhaust in work rooms. 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℃ (50-85℉) 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

Components	CAS-No.	Value	Control parameters	Update	Basis
diphenyl ether	101-84-8	TWA	1 ppm 7 mg/m3	2017-02-01	2017/164/EU
Further information : Indicative					
		STEL	2 ppm 14 mg/m3	2017-02-01	2017/164/EU
Further information : Indicative					

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

prod-uct'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 and faceshield 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	:	Agrestic, Fern-like
Odour Threshold	:	Not applicable
Flash point	:	68 ℃ 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	:	0,543 hPa at 20 °C Calculated (99,8 %)
Density	:	981,23 kg/m3 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			
3,7-Dimethyl-6-octen-3-ol	:	LD50: > 5 000 mg/kg	Species: Rat
2-propenyl 2(3)-methylbutoxyacetate	:	LD50: 730 mg/kg	Species: Rat
Eucalyptus oil	:	LD50: 4 440 mg/kg	Species: Rat
2,6-dimethyl-7-octen-2-ol	:	LD50: 3 600 mg/kg	Species: Rat
linalool	:	LD50: 2 790 mg/kg	Species: Rat
3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)	:	LD50: 13 934 mg/kg	Species: Rat
3,7-dimethyl-6-octen-1-ol (= citronellol)	:	LD50: 3 450 mg/kg	Species: Rat
1,7,7-trimethyl-Bicyclo[2.2.1]heptan-2-one (=camphor)	:	LD50: 1 310 mg/kg	Species: Mouse
2-methyl-2-vinyl-5-(1-hydroxy-1-methylethyl)tetra-hydrofuran (=linalool oxide)	:	LD50: 1 150 mg/kg	Species: Rat
5-methyl-2-(1-methylethyl)-cyclohexanol (= Menthol)	:	LD50: 2 900 mg/kg	Species: Rat
geraniol	:	LD50: 3 600 mg/kg	Species: Rat
diphenyl ether	:	LD50: 2 450 mg/kg	Species: Rat
2,2-dimethyl-3-(4(2)-ethylphenyl)propanal	:	LD50: > 5 000 mg/kg	Species: Rat
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	:	LD50: > 3 100 mg/kg	Species: Rat

2H-1-benzopyran-2-one (=coumarin)	:	LD50: 520 mg/kg	Species: Rat
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-2-enone	:	LD50: 1 670 mg/kg	Species: Rat
3,7-dimethyl-2,6-octadien-1-ol (= nerol)	:	LD50: 4 500 mg/kg	Species: Rat
Acute inhalation toxicity	:	No data is available on the product itself.	
Acute dermal toxicity	:	Acute toxicity estimate Dose: > 2 000 mg/kg Method: Calculation method	
Acute dermal toxicity			
3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)	:	LD50: > 5 000 mg/kg	Species: Rabbit
3,7-dimethyl-6-octen-1-ol (= citronellol)	:	LD50: 2 650 mg/kg	Species: Rabbit
2-methyl-2-vinyl-5-(1-hydroxy-1-methylethyl)tetra-hydrofuran (=linalool oxide)	:	LD50: 2 500 mg/kg	Species: Rabbit
5-methyl-2-(1-methylethyl)-cyclohexanol (= Menthol)	:	LD50: > 5 000 mg/kg	Species: Rabbit
geraniol	:	LD50: > 5 000 mg/kg	Species: Rabbit
diphenyl ether	:	LD50: > 7 940 mg/kg	Species: Rabbit
2,2-dimethyl-3-(4(2)-ethylphenyl)propanal	:	LD50: > 5 000 mg/kg	Species: Rabbit
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	:	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 : Vapours may cause irritation to the eyes, respiratory system and the skin.

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 (2-methylbutoxy)acetate:

M-Factor (Acute aquatic toxicity) : 1

diphenyl ether:

M-Factor (Acute aquatic toxicity) : 1

3-(p-ethylphenyl)-2,2-dimethylpropionaldehyde:

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 Group : None

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.
H228 : Flammable solid.
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H330 : Fatal if inhaled.
H332 : Harmful if inhaled.
H371 : May cause damage to organs if inhaled.
H400 : Very toxic to aquatic life.
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; TECI - 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

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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..