

Fragrance Delivery Technologies Ltd.

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SAFETY DATA SHEET

Issuing Date 08-Mar-2017

Revision Date 07-July-2019

Revision Number 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

Contains Linalool, 3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-

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	Company
Fragrance Delivery Technologies LTD.	Fragrance Delivery Technologies LTD.
LIU 15, RA07AC06 JAFZA	LIU 15, RA07AC06 JAFZA
P.O.Box 262800	P.O.Box 262800
Dubai, United Arab Emirates	Dubai, United Arab Emirates
TEL: +9714 887 0577	TEL: +9714 887 0577
email: info@oxygenpowered.com	email: info@oxygenpowered.com

For further information, please contact

E-mail Address info@oxygenpowered.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: 1(800) 424-9300 (in USA and Canada) or +1-703-527-3887 (international)

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1

Physical Hazards

None

2.2. Label Elements



Signal Word

Warning

Hazard Statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
Contains Citral, Eugenol

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/ eye protection/ face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

Precautionary Statements

P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P362 - Take off contaminated clothing and wash before reuse
P264 - Wash face, hands and any exposed skin thoroughly after handling
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P321 - Specific treatment (see supplemental first aid instructions on this label)
P363 - Wash contaminated clothing before reuse
P273 - Avoid release to the environment

2.3. Other information

No information available

Section 3. Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
7-Octen-2-ol, 2,6-dimethyl-	242-362-4	18479-58-8	14		01-2119457274-37
Linalool	201-134-4	78-70-6	5.68	Eye Irr. 2A (H319) Skin Irr. 2 (H315) Skin Sens. 1B (H317)	01-2119474016-42
Methyl benzoate	202-259-7	93-58-3	4		No data available
Allyl (3-methylbutoxy)acetate	266-803-5	67634-00-8	3	ATO 4-SCI 2;H302-H315	No data available
Lynalyl acetate (ex bois de rose, synthetic)	204-116-4	115-95-7	2.62	Skin Irr. Cat. 2 (H315) Eye Irr. Cat. 2 (H319)	No data available
3,5,5-trimethylhexyl acetate	261-245-9	58430-94-7	1.4		No data available
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	250-954-9	32210-23-4	1.2	Aquatic Chronic 2 (H411)	No data available

3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	204-846-3	127-51-5	1.05	Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	No data available
10-Undecanal	203-973-1	112-45-8	0.6		No data available
Eugenol	202-589-1	97-53-0	0.5	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	No data available
Citral	226-394-6	5392-40-5	0.5	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	01-2119462829-23
2,4-dimethyl-3-cyclohexene carboxaldehyde	268-264-1	68039-49-6	0.5		No data available
Eucalyptol	207-431-5	470-82-6	0.13	Aquatic Chronic 3 (H412)	No data available
Undecenal	215-656-5	1337-83-3	0.1	Aquatic Acute 1 (H400)	No data available
Benzene, 1-(cyclopropylmethyl)-4-methoxy-	-	16510-27-3	0.1		No data available
2-Buten-1-one, 1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-, (E)-	246-430-4	24720-09-0	0.1		No data available

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

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Inhalation	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

Most Important Symptoms/Effects Itching. Rashes. Irritation.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization of susceptible persons. Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use: Carbon dioxide (CO₂). Dry chemical. Foam.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Combustible liquid. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Dike to collect large liquid spills.

Dam up. Soak up with inert absorbent material. Use personal protective equipment. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wear protective gloves/ eye protection/ face protection. Avoid contact with skin, eyes and clothing.

Hygiene Measures

Wash face, hands and any exposed skin thoroughly after handling. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	Finland	France	Germany	Gibraltar	Greece
Eugenol			Sen*		

97-53-0					
Chemical Name	Ireland	Italy	Lithuania	Luxembourg	Malta
Citral 5392-40-5		TWA: 5 ppm TWA: 31 mg/m ³ Skin Sen* Carc*			
Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
Citral 5392-40-5			TWA: 27 mg/m ³ STEL: 54 mg/m ³	Sen*	TWA: 5 ppm Skin

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures	Showers Eyewash stations Ventilation systems
Personal protective equipment	Personal protection equipment should be chosen according to the CEN standards
Eye Protection	Tightly fitting safety goggles.
Skin and Body Protection	Wear protective clothing.
Hand Protection	Protective gloves.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls No information available.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Pale red to red
Odor	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	78 °C / 172.4 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air	No data available	None known

None known	Vapor Pressure	0.25246005 mmHg
None known	Vapor Density	No data available.
None known	Relative Density	0.9240 - 0.9280
None known	Water Solubility	No data available
	Solubility in other solvents	No data available
None known	Partition coefficient: n-octanol/water	No data available
None known	Autoignition Temperature	No data available
None known	Decomposition Temperature	No data available

None known
None known

Viscosity

No data available

Explosive Properties

No information available

Oxidizing Properties

No information available

9.2. Other information**VOC Content (%)**

No information available

Section 10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

High temperatures.

10.5. Incompatible materials

Acids. Bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects**Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation

There is no data available for this product.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation. May cause sensitization by skin contact.

Ingestion

There is no data available for this product.

Acute Toxicity

13.263% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 4,296.00 mg/kg

LD50 Dermal 10,308.00 mg/kg

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene glycol monomethyl ether	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	
7-Octen-2-ol, 2,6-dimethyl-	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Linalool	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rat)	
3,5,5-trimethylhexyl acetate	= 4250 mg/kg (Rat)	> 5 g/kg (Rabbit)	
3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	
10-Undecanal	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	
Citral	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	
Pin-2(3)-ene	= 3700 mg/kg (Rat)	> 5000 mg/kg (Rat)	

Respiratory or Skin Sensitization	No information available
Mutagenic Effects	No information available
Carcinogenic Effects	Contains no ingredient listed as a carcinogen
Reproductive Toxicity	No information available
Developmental Toxicity	No information available
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Target Organ Effects	Central nervous system (CNS). Eyes. Respiratory system.
Aspiration Hazard	No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Not classified

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Linalool	EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)	LC50 96 h: 22 - 46 mg/L static (Leuciscus idus)		EC50 48 h: = 20 mg/L (Daphnia magna)
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate		LC50 48 h: = 15.5 mg/L static (Leuciscus idus)		EC50 24 h: = 9.6 mg/L (Daphnia magna)
Eugenol		LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static		
Citral	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6 - 10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)
Eucalyptol		LC50 96 h: 95.4 - 109 mg/L flow-through (Pimephales promelas)		

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available.

Chemical Name	Log Pow
Linalool	3.1
Methyl benzoate	2.1
Eugenol	2.27
Citral	2.76

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None
14.6. Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

ADR

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

ICAO

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

IATA

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.

14.5. Environmental hazard None
14.6. Special Provisions None

Section 15. Regulatory information

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

International Inventories

Contact supplier for inventory compliance status

TSCA	Complies
European Union	Complies
DSL/NDSL	Complies
PICCS	Not determined
ENCS	Not determined
IECSC	Not determined
AICS	Not determined
KECL	Not determined

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
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 literature references and sources for data

www.ChemADVISOR.com/

Issuing Date	08-Mar-2017
Revision Date	07-July-2019
Revision Note	Updated sections 1, 2

This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet