

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 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 |
|---------------|-----|

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