

Fragrance Delivery Technologies Ltd.

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SAFETY DATA SHEET

Issuing Date 26-Jul-2017 Revision Date 10-Sep-2018

Revision Number 1

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

1.1. Product identifier

Product Name Oxygen-Pro Regular Cartridge Neutra-lox

Contains Linalool
Contains Linalool

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

Recommended Use for neutralizing odors

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company

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

For further information, please contact

E-mail Address info@oxygenpowered.com

1.4. Emergency telephone number

Emergency Telephone Number No information available.

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
Chronic Aquatic Toxicity	Category 3

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
 H412 - Harmful to aquatic life with long lasting effects
 Contains Citral

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/ protective clothing/ eye protection/ face protection
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

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.
Linalool	201-134-4	78-70-6	>= 10 - < 20	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	No data available
Citral	226-394-6	5392-40-5	>= 0,1 - < 1	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	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

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

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.

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

Most Important Symptoms/Effects Rashes. Itching. Irritation.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization by skin contact. Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use: Water spray. Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant 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. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.).

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 the skin and the eyes.

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

A vapor suppressing foam may be used to reduce vapors.

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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

Ensure adequate ventilation. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool.

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	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, and 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 gloves/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 Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Colorless to yellowish
Odor	Citrus-like, Aromatic, Floral		

<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	79 °C	Grabner miniflash closed cup
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air	No data available	None known
Vapor Pressure	0,2979 hPa at 20 °C Calculated (100,0 %)	None known
Vapor Density	No data available.	None known
Relative Density	No data available	None known
Water Solubility	Practically insoluble	None known
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
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
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

Heat, flames and sparks.

10.5. Incompatible materials

Strong acids. Alkaline materials.

10.6. Hazardous decomposition products

Carbon oxides.

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

Irritating to skin. Causes skin irritation.

Ingestion

There is no data available for this product.

Acute Toxicity 0% 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 4,047.00 mg/kg
LD50 Dermal 7,671.00 mg/kg
Inhalation No information available.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene glycol monomethyl ether	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	
Citral	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	

Sensitization May cause an allergic skin reaction.

Mutagenic Effects No information available.

Carcinogenic Effects No information available.

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 Eyes. Respiratory system. Skin.

Aspiration Hazard No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Harmful to aquatic life with long lasting effects.

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)
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)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Log Pow
Linalool	3.1
Citral	2.76

12.4. Mobility in soil

Adsorbs on 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 pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. 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.
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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

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 AICS - Australian Inventory of Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances

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
 H412 - Harmful to aquatic life with long lasting effects

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date	26-Jul-2017
Revision Date	26-Jul-2017
Revision Note	Initial Release.

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

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End of Safety Data Sheet