

# SAFETY DATA SHEET

Issuing Date 31-Aug-2017

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Revision Number 2

This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name Oxygen-Pro Cartridge Tropical Waves

### Other means of identification

UN-Number UN1169

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Air freshener

Uses advised against No information available

### Supplier's details

#### **Supplier Address**

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

### Emergency telephone number

Chemical Emergency Phone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

|  |             |
|--|-------------|
| Acute Oral Toxicity                                | Category 4  |
| Skin Corrosion/Irritation                          | Category 2  |
| Serious Eye Damage/Eye Irritation                  | Category 2A |
| Skin Sensitization                                 | Category 1  |
| Specific Target Organ Toxicity (Repeated Exposure) | Category 2  |

Flammable liquids

Category 3

**Label Elements****Signal Word**

Warning

**Hazard Statements**

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May cause damage to organs through prolonged or repeated exposure

Flammable liquid and vapor.

**Physical and Health Hazards Not Otherwise Classified**

Not applicable.

**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- Get medical attention/advice if you feel unwell

**Eyes**

- 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**

- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.

**Fire**

- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage**

- Store in a well-ventilated place. Keep cool.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Other information**

Very toxic to aquatic life with long lasting effects. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Unknown acute toxicity**

100% of the mixture consists of ingredient(s) of unknown toxicity. See Section 11 for additional Toxicological Information

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The individual chemical identities of the ingredients of this mixture are considered to be proprietary information and trade secrets in accordance with paragraph (i) of §1910.1200.. As such they are withheld in accordance with the provisions of the law. Certain hazardous substances are listed in the Exposure Controls/Personal Protection section.

**4. FIRST AID MEASURES****Description of necessary first-aid measures**

|                                   |  |
|-----------------------------------|--|
| <b>General Advice</b>             | Get medical advice/ attention if you feel unwell   |
| <b>Eye Contact</b>                | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation persists.                               |
| <b>Skin Contact</b>               | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| <b>Inhalation</b>                 | Move to fresh air in case of accidental inhalation of vapors.  |
| <b>Ingestion</b>                  | Call a POISON CENTER or doctor/physician if exposed or you feel unwell. Rinse mouth.   |
| <b>Protection of First-aiders</b> | Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing.   |

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** Hives. Itching. Rashes. Irritation.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use: Water spray. Carbon dioxide (CO<sub>2</sub>). Foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from the Chemical** Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Remove all sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

### Environmental Precautions

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

### Methods and materials for containment and cleaning up

**Methods for Containment** Dike far ahead of liquid spill for later disposal.

**Methods for Cleaning Up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use clean non-sparking tools to collect absorbed material. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Products** Strong oxidizing agents, Strong acids, Strong bases,

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.  
**Skin and Body Protection** Wear protective gloves/clothing.  
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Do not eat, drink or smoke when using this product. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |         |                       |                              |
|-----------------------|---------|-----------------------|------------------------------|
| <b>Physical State</b> | Liquid. | <b>Appearance</b>     | Pale yellow to lemon yellow. |
| <b>Odor</b>           | Fruity. | <b>Odor Threshold</b> | 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                            | 56 °C / 132.8 °F  | None known               |
| Evaporation rate                       | No data available   | None known               |
| Flammability (solid, gas)              | No data available   | None known               |
| Flammability Limits in Air             |   |                          |
| upper flammability limit               | No data available   |                          |
| lower flammability limit               | No data available   |                          |
| Vapor Pressure                         | 0.934 Pa @ 20 °C 1 Pa @ 0.934 Pa @ Calculated<br>20 °C 2 °C |                          |
| Vapor Density                          | No data available   | None known               |
| Relative Density                       | No data available   | None known               |
| Specific Gravity                       | No data available   | None known               |
| Water Solubility                       | Insoluble in water.   | None known               |
| Solubility in other solvents           | Practically insoluble.                                      | 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               |
| Viscosity                              | No data available   | None known               |

**Flammable Properties** Not flammable

**Explosive Properties** No data available

**Oxidizing Properties** No data available

**Other information**

**VOC Content (%)** No data available

## 10. STABILITY AND REACTIVITY

**Reactivity** No data available.

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** Strong oxidizing agents, Strong acids, Strong bases,

**Hazardous decomposition products** None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | None under normal use conditions  |
| <b>Eye Contact</b>  | Irritating to eyes.   |
| <b>Skin Contact</b> | Irritating to skin. May cause sensitization by skin contact.              |
| <b>Ingestion</b>    | Harmful if swallowed. Ingestion may cause irritation to mucous membranes. |

**Numerical measures of toxicity - Product**

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

**LD50 Oral** 875 mg/kg; Acute toxicity estimate

**LD50 Dermal** 931 mg/kg; Acute toxicity estimate

**Unknown acute toxicity** 100% of the mixture consists of ingredient(s) of unknown toxicity. See Section 11 for additional Toxicological Information

| Chemical Name   | LD50 Oral             | LD50 Dermal             | LC50 Inhalation |
|---|-----------------------|-------------------------|-----------------|
| Ethyl acetoacetate                                      | = 3980 mg/kg ( Rat )  | > 5000 mg/kg ( Rabbit ) | -               |
| Heptanoic acid, 2-propenyl ester                        | = 5000 mg/kg ( Rat )  | = 810 mg/kg ( Rabbit )  | -               |
| n-Hexyl acetate   | = 36229 mg/kg ( Rat ) | > 5 g/kg ( Rabbit )     | -               |
| Heptanoic acid, ethyl ester                             | > 34640 mg/kg ( Rat ) | > 5 g/kg ( Rabbit )     | -               |
| D-Limonene  | 5000 mg/kg ( Rat )    | >5000 mg/kg ( Rabbit )  | -               |
| Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester | = 5470 mg/kg ( Rat )  | -                       | -               |
| Benzenemethanol, .alpha.-methyl-, acetate               | > 5 g/kg ( Rat )      | > 5 g/kg ( Rabbit )     | -               |
| Allyl caproate  | = 218 mg/kg ( Rat )   | = 300 mg/kg ( Rabbit )  | -               |
| 2(3H)-Furanone, dihydro-5-pentyl-                       | = 6600 mg/kg ( Rat )  | > 5 g/kg ( Rabbit )     | -               |
| Ethyl butyrate  | = 13 g/kg ( Rat )     | > 2 g/kg ( Rabbit )     | -               |
| Cyclohexanepropanoic acid, 2-propenyl ester             | = 585 mg/kg ( Rat )   | -                       | -               |
| Coumarin  | -                     | > 2000 mg/kg ( Rat )    | -               |
| Allyl phenoxyacetate                                    | = 475 µL/kg ( Rat )   | = 820 µL/kg ( Rabbit )  | -               |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Irritation

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Skin corrosion/irritation** Irritating to skin.  
**Eye damage/irritation** Irritating to eyes.  
**Respiratory or Skin Sensitization** May cause sensitization by skin contact.  
**Germ Cell Mutagenicity** No information available.  
**Carcinogenicity** Contains no ingredients above reportable quantities listed as a carcinogen.

| Chemical Name | ACGIH | IARC    | NTP | OSHA |
|---------------|-------|---------|-----|------|
| D-Limonene    |       | Group 3 | -   | -    |
| Coumarin      |       | Group 3 |     |      |

**IARC: (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

| Chemical Name                  | Toxicity to Algae                                  | Toxicity to Fish   | Toxicity to Microorganisms | Daphnia Magna (Water Flea)  |
|--------------------------------|--|--|----------------------------|---|
| Ethyl acetoacetate<br>141-97-9 | EC50 72 h: > 500 mg/L<br>(Desmodesmus subspicatus) | LC50 96 h: = 290 mg/L<br>(Oncorhynchus mykiss)<br>LC50 96 h: = 298 mg/L<br>(Pimephales promelas) LC50<br>96 h: = 307 mg/L (Lepomis<br>macrochirus) |                            | EC50 48 h: = 646 mg/L<br>(Daphnia magna) EC50 24 h:<br>= 790 mg/L Static (Daphnia<br>magna) |
| n-Hexyl acetate<br>142-92-7    |  | LC50 96 h: 3.7 - 4.4 mg/L<br>flow-through (Pimephales<br>promelas)   |                            |   |
| D-Limonene<br>5989-27-5        |  | LC50 96 h: 0.619 - 0.796<br>mg/L flow-through<br>(Pimephales promelas) LC50<br>96 h: = 35 mg/L<br>(Oncorhynchus mykiss)                            |                            |   |
| Allyl caproate<br>123-68-2     |  | LC50 96 h: = 30 mg/L<br>(Carassius auratus)  |                            |   |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

| Chemical Name      | Log Pow |
|--------------------|---------|
| Ethyl acetoacetate | 0.27    |

**Mobility** No information available.

**Other Adverse Effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**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.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. TRANSPORT INFORMATION

**Note:** This shipping size falls into limited quantity exemptions that do not require labeling or placarding except if transported by aircraft. Under U.S. DOT transportation regulations, this product can be re-classed as a Limited Quantity in accordance with 49 CFR 173.306(i). Under Transport Canada regulations, this product can be re-classed as a Limited Quantity in accordance with Section 1.17. Under IMDG regulations (Amdt 35-10), this product can be re-classed as a Limited Quantity in accordance with Chapter 3.4.

### DOT

|  |  |
|--|--|
| <b>UN-Number</b>                       | UN1169                                     |
| <b>Proper shipping name</b>            | Extracts, aromatic, liquid                 |
| <b>Hazard Class</b>                    | 3  |
| <b>Packing Group</b>                   | III  |
| <b>Description</b>                     | UN1169, Extracts, aromatic, liquid, 3, III |
| <b>Emergency Response Guide Number</b> | 127  |

### TDG

|                             |  |
|-----------------------------|--|
| <b>UN-Number</b>            | UN1169   |
| <b>Proper Shipping Name</b> | Extracts, aromatic, liquid                                   |
| <b>Hazard Class</b>         | 3  |
| <b>Packing Group</b>        | III  |
| <b>Description</b>          | UN1169, Extracts, aromatic, liquid, 3, III, Marine Pollutant |

### MEX

|                             |  |
|-----------------------------|--|
| <b>UN-Number</b>            | UN1169                                     |
| <b>Proper Shipping Name</b> | Extracts, aromatic, liquid                 |
| <b>Hazard Class</b>         | 3  |
| <b>Packing Group</b>        | III  |
| <b>Description</b>          | UN1169, Extracts, aromatic, liquid, 3, III |

### IATA

|                             |  |
|-----------------------------|--|
| <b>UN-Number</b>            | UN1169                                     |
| <b>Proper Shipping Name</b> | Extracts, aromatic, liquid                 |
| <b>Hazard Class</b>         | 3  |
| <b>Packing Group</b>        | III  |
| <b>ERG Code</b>             | 3L   |
| <b>Description</b>          | UN1169, Extracts, aromatic, liquid, 3, III |

### IMDG/IMO

|                             |  |
|-----------------------------|--|
| <b>UN-Number</b>            | UN1169   |
| <b>Proper Shipping Name</b> | Extracts, aromatic, liquid   |
| <b>Hazard Class</b>         | 3  |
| <b>Packing Group</b>        | III  |
| <b>EmS No.</b>              | F-E, S-D   |
| <b>Description</b>          | UN1169, Extracts, aromatic, liquid, 3, III, Marine Pollutant (54°C c.c.) |

## 15. REGULATORY INFORMATION

### International Regulations



|  |                |
|--|----------------|
| Ozone depleting substances   | Not applicable |
| Persistent Organic Pollutants  | Not applicable |
| Hazardous Waste  | Not applicable |
| The Rotterdam Convention (Prior Informed Consent)                            | Not applicable |
| International Convention for the Prevention of Pollution from Ships (MARPOL) | Not applicable |

**International Inventories**

|        |                |
|--------|----------------|
| TSCA   | Complies       |
| DSL    | Complies       |
| EINECS | Complies       |
| ENCS   | Not determined |
| IECSC  | Complies       |
| KECL   | Complies       |
| PICCS  | Complies       |
| AICS   | Complies       |

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | Yes |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name      | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|--------------------|------------|---------------|--------------|----------|--------------|
| Ethyl acetoacetate |            | X             | X            |          |              |
| D-Limonene         | X          |               |              | X        |              |
| Ethyl butyrate     | X          | X             | X            |          |              |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

**NFPA**                      Health Hazard 2                      Flammability 2                      Instability 0                      Physical and Chemical Hazards -

**HMIS**                      Health Hazard 2\*                      Flammability 2                      Physical Hazard 0                      Personal Protection X

\*Indicates a chronic health hazard.

Issuing Date                      31-Aug-2017  
Revision Date                      20-Jan-2020  
Revision Note                      Format change.

**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**