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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 CO₂, 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 (j) 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**

General Advice	Get medical advice/ attention if you feel unwell
Eye Contact	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.
Skin Contact	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.
Inhalation	Move to fresh air in case of accidental inhalation of vapors.
Ingestion	Call a POISON CENTER or doctor/physician if exposed or you feel unwell. Rinse mouth.
Protection of First-aiders	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 (CO₂). 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

Physical State	Liquid.	Appearance	Pale yellow to lemon yellow.
Odor	Fruity.	Odor Threshold	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 @ 20 °C 0.934 Pa @ 2 °C	Calculated
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

Inhalation	None under normal use conditions
Eye Contact	Irritating to eyes.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	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 141-97-9	EC50 72 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 290 mg/L (Oncorhynchus mykiss) LC50 96 h: = 298 mg/L (Pimephales promelas) LC50 96 h: = 307 mg/L (Lepomis macrochirus)		EC50 48 h: = 646 mg/L (Daphnia magna) EC50 24 h: = 790 mg/L Static (Daphnia magna)
n-Hexyl acetate 142-92-7		LC50 96 h: 3.7 - 4.4 mg/L flow-through (Pimephales promelas)		
D-Limonene 5989-27-5		LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		
Allyl caproate 123-68-2		LC50 96 h: = 30 mg/L (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

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

TDG

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

MEX

UN-Number	UN1169
Proper Shipping Name	Extracts, aromatic, liquid
Hazard Class	3
Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III

IATA

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

IMDG/IMO

UN-Number	UN1169
Proper Shipping Name	Extracts, aromatic, liquid
Hazard Class	3
Packing Group	III
EmS No.	F-E, S-D
Description	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