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SAFETY DATA SHEET

Issuing Date 19-Feb-2014

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Revision Number 3

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 CUCUMBER MELON

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.

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Sub-category 1B
Aspiration Toxicity	Category 1
Flammable liquids	Category 3

Label Elements

Warning



Hazard Statements

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May be fatal if swallowed and enters airways

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.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- 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

- None

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: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.

Fire

- In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage

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

Disposal

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

Other information

None known.

80% of the mixture consists of ingredient(s) of unknown toxicity.

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**

General Advice	If swallowed, get medical help or contact a Poison Control Center right away.
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. Remove and wash contaminated clothing before re-use.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects May cause allergic skin reaction. Irritation.

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

Notes to Physician Aspiration hazard. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Use: Carbon dioxide (CO ₂). Foam. Dry chemical.
<u>Unsuitable Extinguishing Media</u>	No information available.
<u>Specific Hazards Arising from the Chemical</u>	Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). 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.
<u>Protective Equipment and Precautions for Firefighters</u>	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. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. 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. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information. Avoid release to the environment. Collect spillage. Dispose of contents/container to an approved waste disposal plant.

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). Non-sparking tools should be used. 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. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only in area provided with appropriate exhaust ventilation. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

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

Incompatible Products Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-	-
.alpha.-Pinene 80-56-8	TWA: 20 ppm	-	-
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m ³ inhalable fraction and vapor	(vacated) TWA: 10 mg/m ³	TWA: 10 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers. Eyewash stations. Explosion proof ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection
Respiratory Protection

Wear protective gloves/clothing.
 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid.	Appearance	Pale red to red.
Odor	Citrus.	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	53 °C / 127.4 °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	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	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
Viscosity	No data available	None known

Flammable Properties 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 Heat, flames and sparks.

Incompatible materials Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Irritating to eyes.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product

Unknown acute toxicity 80% 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	2618 mg/kg; Acute toxicity estimate
LD50 Dermal	2369 mg/kg; Acute toxicity estimate
Inhalation	No information available.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Limonene	5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
n-Hexyl acetate	= 41500 µL/kg (Rat)	> 5 g/kg (Rabbit)	-
Citral	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	-
.alpha.-Pinene	= 3700 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
p-Cymene	= 3669 mg/kg (Rat) = 4750 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 9.7 mg/L (Rat) 5 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Allergic skin reactions or irritation. Eye irritation/reactions.

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	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	
D-Limonene		Group 3	-	-
2,6-Di-tert-butyl-p-cresol		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	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	
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)		
n-Hexyl acetate 142-92-7		LC50 96 h: 3.7 - 4.4 mg/L flow-through (Pimephales promelas)		EC50 48 h: = 7 mg/L (Daphnia magna)
Citral 5392-40-5	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: = 202.3 mg/L (Daphnia magna)
.alpha.-Pinene 80-56-8		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		
2,6-Di-tert-butyl-p-cresol 128-37-0	EC50 72 h: = 6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h: > 0.42 mg/L (Desmodesmus subspicatus)	LC50 48 h: = 5 mg/L (Oryzias latipes)	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Citral	2.76
p-Cymene	4.1
.alpha.-Pinene	4.1
2,6-Di-tert-butyl-p-cresol	4.17

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 Do not re-use empty containers. 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

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
Marine Pollutant	This product contains a chemical which is listed as a marine pollutant according to TDG.
Description	UN1169, Extracts, aromatic, liquid, 3, III

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
Marine Pollutant	This mixture meets the IMDG criteria for being a marine pollutant.
Description	UN1169, Extracts, aromatic, liquid, 3, III, (53°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

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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	X	Rhode Island
D-Limonene	X				
.alpha.-Pinene	X	X	X		

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard	2	Flammability	2	Instability	0	Personal Protection	X
<u>HMIS</u>	Health Hazard	2*	Flammability	2	Physical Hazard	0	Personal Protection	X

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Revision Note Update to Format.

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.