

**Fragrance Delivery Technologies Ltd.**

P.O. Box 262800, Dubai, United Arab Emirates Ph: +971 4 887 0577 Fax: +971 4 887 0578 www.oxygenpowered.com

# SAFETY DATA SHEET

Issuing Date 26-Apr-2018

Revision Date 25-Apr-2018

Revision Number 1

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

<b>Product Name</b>	VIVA!e CARTRIDGE SPA
<b>UN-Number</b>	UN1169
<b>Recommended Use</b>	Air freshener
<b>Restriction on Use</b>	Do not use this product for any use other than intended.
<b>Company</b>	AlSCO NZ Fresh & Clean 354 New North Road Kingsland 1021 Auckland New Zealand TEL +64 309 1003
<b>Supplier</b>	Fragrance Delivery Technologies, LTD P.O.Box 262800 Dubai United Arab Emirates TEL: +9714 887 0577 email: info@oxygenpowered.com
<b>Emergency Telephone Number</b>	+64 27 480 8598 (24H).

## 2. HAZARDS IDENTIFICATION

### Classification

Skin Corrosion/Irritation	Category 2 (HSNO - 6.3A)
Serious Eye Damage/Eye Irritation	Category 2 (HSNO - 6.4A)
Skin Sensitization	Category 1 (HSNO - 6.5B)
Aspiration Toxicity	Category 1 (HSNO - 9.1A)
Flammable liquids	Category 3 (HSNO - 3.1C)

### GHS Label elements, including precautionary statements

Exclamation mark, Health Hazard, Flame



**Signal Word****Danger****Hazard Statements**

H315 - Causes skin irritation  
 H302 – Harmful if swallowed  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H226 – Flammable liquid and vapor  
 H411-Toxic to aquatic life with long lasting effects

**New Zealand Pesticide Information**

- 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.
- Avoid release to the environment.
- 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.

**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.

**Fire**

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

**Spills and Leaks**

- Collect spillage.

**Storage**

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

**Disposal**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Dihydromyrcenol	18479-58-8	15- 20
Camphor	76-22-2	15- 20
Pinene	1330-16-1	5- 10

Lynalyl acetate (ex bois de rose, synthetic)	115-95-7	5- 10
Linalool	78-70-6	5- 10
Eucalyptol	470-82-6	5- 10
n-Hexyl acetate	142-92-7	3- 5
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-	16409-43-1	1- 3
D-Limonene	5989-27-5	1- 3
Decanal	112-31-2	1- 3
Citral	5392-40-5	1- 3
Caryophyllene	87-44-5	1- 3
Camphene	79-92-5	1- 3
5-Hepten-2-one, 6-methyl-	110-93-0	1- 3
2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-	57378-68-4	1- 3
Pin-2(3)-ene	80-56-8	0.1-1

#### 4. FIRST AID MEASURES

##### General Advice

Poison Control:  
Australia: 13 11 26  
New Zealand: 0800 POISON (0800 764 766)

##### 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. Remove and wash contaminated clothing before re-use. If skin irritation or rash occurs: Get medical advice/attention.

##### Inhalation

Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

##### Ingestion

If swallowed: Call a physician or Poison Control Center immediately. Do NOT induce vomiting.

##### Notes to Physician

Aspiration hazard. May cause sensitization by skin contact.

##### Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

#### 5. FIRE-FIGHTING MEASURES

##### Hazchem Code

3Y

##### Flammable Properties

Flammable liquid and vapor.

##### Suitable Extinguishing Media

Use: Carbon dioxide (CO<sub>2</sub>). Alcohol-resistant foam. Foam. Dry chemical.

##### Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

##### Specific Hazards Arising from the Chemical

Flammable. Vapors may form explosive mixtures with air. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back.

##### Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Remove all sources of ignition. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. Use personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Environmental Precautions</b>	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.
<b>Methods for Containment</b>	Dike to collect large liquid spills.
<b>Methods for Cleaning Up</b>	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use non-sparking tools and equipment. Use personal protective equipment. Use appropriate tools to put the material into suitable containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. 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. Provide regular cleaning of equipment, work area and clothing.
<b>Storage</b>	Store in a well-ventilated place. Keep cool.
<b>Incompatible Products</b>	Strong oxidizing agents. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Chemical Name	Australia	New Zealand WEL	ACGIH TLV	The United Kingdom	Germany	EU
Camphor 76-22-2			STEL: 3 ppm synthetic TWA: 2 ppm synthetic			
Citral 5392-40-5			TWA: 5 ppm inhalable fraction and vapor S*			
Pin-2(3)-ene 80-56-8			TWA: 20 ppm			

**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**

<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
<b>Skin and Body Protection</b>	Wear protective gloves/clothing.
<b>Respiratory Protection</b>	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.
<b>Hygiene Measures</b>	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**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear, Cloudy White, Pale red to red.
<b>Odor</b>	Characteristic
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/Range</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial Boiling Point</b>	No data available
<b>Boiling Point/Boiling Range</b>	No data available
<b>Flash Point</b>	138.2°F / 59°C
<b>Evaporation Rate</b>	No data available
<b>Flammable Properties</b>	Not Flammable
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Vapor Pressure</b>	0.800 Pa @ 20 °C
<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	No data available
<b>Water Solubility</b>	Insoluble
<b>Solubility</b>	No data available
<b>Partition Coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature °C</b>	No data available
<b>Viscosity</b>	No data available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Products</b>	Strong oxidizing agents. Strong acids. Strong bases.
<b>Hazardous Decomposition Products</b>	Carbon oxides.
<b>Hazardous Polymerization</b>	None under normal processing.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

**Product Information**

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes skin irritation. May cause sensitization by skin contact.
<b>Ingestion</b>	There is no data available for this product.
<b>Inhalation</b>	None under normal use conditions

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dihydromyrcenol	= 3600 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Linalool	2790 mg/kg ( Rat )	5610 mg/kg ( Rat )	-
Eucalyptol	= 2480 mg/kg ( Rat )	-	-
Lynalyl acetate (ex bois de rose, synthetic)	= 13934 mg/kg ( Rat )	-	-
n-Hexyl acetate	= 41500 µL/kg ( Rat )	> 5 g/kg ( Rabbit )	-
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-	= 4300 mg/kg ( Rat )	-	-
5-Hepten-2-one, 6-methyl-	= 3500 mg/kg ( Rat )	> 5 g/kg ( Rabbit ) > 2 g/kg ( Rat )	-
Decanal	= 3730 µL/kg ( Rat )	= 5040 µL/kg ( Rabbit )	-
Citral	= 4960 mg/kg ( Rat )	= 2250 mg/kg ( Rabbit )	-
Camphene	> 5 g/kg ( Rat )	> 2500 mg/kg ( Rabbit )	= 17100 mg/m <sup>3</sup> ( Rat ) 1 h
D-Limonene	5000 mg/kg ( Rat )	>5000 mg/kg ( Rabbit )	-
Geranyl acetate	= 6330 mg/kg ( Rat )	-	-
Pin-2(3)-ene	= 3700 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	-
Terpinolene	= 4390 mg/kg ( Rat )	-	-
Gamma -Terpinene	= 3650 mg/kg ( Rat )	-	-
p-Cymene	= 3669 mg/kg ( Rat ) = 4750 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 9.7 mg/L ( Rat ) 5 h
2,6-Di-tert-butyl-p-cresol	890 mg/kg ( Rat )	-	-

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

<b>Skin corrosion/irritation</b>	Causes skin irritation
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredients above reportable quantities listed as a carcinogen. .
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Aspiration Hazard</b>	No information available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic organisms with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Linalool 78-70-6	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)
Eucalyptol 470-82-6		LC50 96 h: 95.4 - 109 mg/L flow-through (Pimephales promelas)		
n-Hexyl acetate 142-92-7		LC50 96 h: 3.7 - 4.4 mg/L flow-through (Pimephales)		

		promelas)		
5-Hepten-2-one, 6-methyl- 110-93-0	EC50 96 h: = 101 mg/L (Desmodesmus subspicatus) EC50 72 h: = 191 mg/L (Desmodesmus subspicatus)	LC50 96 h: 83.3 - 88.2 mg/L flow-through (Pimephales promelas)	EC50 = 3000 mg/L 17 h	EC50 48 h: = 129 mg/L (Daphnia magna)
Decanal 112-31-2			EC50 = 2.90 mg/L 25 min EC50 = 3.59 mg/L 15 min EC50 = 4.71 mg/L 5 min	
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: = 7 mg/L (Daphnia magna)
Camphene 79-92-5	EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 0.72 mg/L flow-through (Brachydanio rerio) LC50 96 h: = 150 mg/L static (Brachydanio rerio)		EC50 48 h: = 22 mg/L (Daphnia magna)
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)		
Pin-2(3)-ene 80-56-8		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		LC50 48 h: = 41 mg/L (Daphnia magna)
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****Global warming potential (GWP)****Ozone depletion potential; ODP; (R-11 = 1):**

No information available.

No information available.

Does not contain ozone depleting chemical (40 CFR Part 82).

**Bioaccumulation**

No information available.

**Mobility**

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products**

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Contaminated Packaging**

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Contaminated/not cleaned containers should be treated/handled like product waste. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or groundwater.

### 14. TRANSPORT INFORMATION

**ADG/NZDG**

<b>UN Number</b>	UN1169
<b>Proper Shipping Name</b>	EXTRACTS, AROMATIC, LIQUID MIXTURE
<b>Hazard Class</b>	3
<b>Packing group</b>	III
<b>Special Provisions</b>	223
<b>Description</b>	UN1169, EXTRACTS, AROMATIC, LIQUID MIXTURE, 3, III
<b>Hazchem Code</b>	3Y

**IMDG/IMO**

Regulated

<b>Proper Shipping Name</b>	Extracts, aromatic, liquid
<b>Hazard Class</b>	3
<b>UN-Number</b>	UN1169
<b>Packing Group</b>	III
<b>EmS No.</b>	F-E, S-D
<b>Special Provisions</b>	223, 955
<b>Description</b>	UN1169, EXTRACTS, AROMATIC, LIQUID MIXTURE (D-LIMONENE), 3, III, (0°C C.C.), MARINE POLLUTANT

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

## 15. REGULATORY INFORMATION

### National Regulations

#### Australia

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)** No Poisons Schedule number allocated

#### New Zealand

**New Zealand Exposure Limits** See Section 8 for any applicable Tolerable Exposure or Environmental Exposure Limits

Refer to the EPA User Guide to the HSNO Controls to assist in interpreting the Hazardous Substances controls regulations.

**HSNO Approval Number or Group Standard** HSR002576 (Food Additives and Fragrance Materials (Flammable) Group Standard 2017)

### International Regulations

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

### International Inventories

<b>AICS</b>	Complies
<b>NZIOC</b>	Complies
<b>TSCA</b>	Complies
<b>European Union</b>	Complies
<b>DSL/NDL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Contact supplier for inventory compliance status



IECSC Complies  
KECL Contact supplier for inventory compliance status

**Legend**

AICS - Australian Inventory of Chemical Substances  
NZIOC - New Zealand Inventory of Chemicals  
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
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  
KECL - Korean Existing and Evaluated Chemical Substances

**16. OTHER INFORMATION**

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 26-Apr-2018

**Revision Date** 25-Apr-2018

**Literary Reference** No information available.

**Revision Note** No information available.

**Legend** X - Listed  
Skin - Skin absorber  
STEL (Short Term Exposure Limit)  
PEL (Permissible Exposure Limit)  
TWA (Time weighted Average)  
ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold  
Limit Value.  
New Zealand WEL - New Zealand Workplace Exposure Limits  
EU: European Union

**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**