

Fragrance Delivery Technologies Ltd.

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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

Product Name	VIVA!e CARTRIDGE ADORE
UN-Number	UN1169
Recommended Use	Air freshener
Restriction on Use	Do not use this product for any use other than intended.
Company	AlSCO NZ Fresh & Clean 354 New North Road Kingsland 1021 Auckland New Zealand TEL +64 309 1003
Supplier	Fragrance Delivery Technologies, LTD P.O.Box 262800 Dubai United Arab Emirates TEL: +9714 887 0577 email: info@oxygenpowered.com
Emergency Telephone Number	+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
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H226 – Flammable liquid and vapor.
 H304 – May be fatal if swallowed and enters airways

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.

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.

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
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Chemical Name	CAS-No	Weight %
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D-Limonene	5989-27-5	25-50
n-Hexyl acetate	142-92-7	20-25
Triplal	68039-49-6	1-5
Coumarin	91-64-5	1-5
Cinnamaldehyde	104-55-2	1-5
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	1222-05-5	1-2.5
Naphthalene, 2-methoxy-	93-04-9	0.1-1
Eugenol	97-53-0	0.1-1
.alpha.-Pinene	80-56-8	0.1-1
2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-	57378-68-4	0.1-0.25
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	117933-89-8	0.1-0.25

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 (CO₂). 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

Personal Precautions	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.
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.
Methods for Containment	Dike to collect large liquid spills.
Methods for Cleaning Up	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

Handling	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.
Hygiene Measures	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.
Storage	Store in a well-ventilated place. Keep cool.
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.
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Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
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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

Physical State	Liquid
Appearance	Colorless to very slightly yellow.
Odor	Fruity, Spicy
Odor Threshold	No data available
pH	No data available
Melting Point/Range	No data available
Freezing Point	No data available
Initial Boiling Point	No data available
Boiling Point/Boiling Range	No data available
Flash Point	129.2°F / 54°C
Evaporation Rate	No data available
Flammable Properties	Not Flammable
Explosive Properties	No data available
Oxidizing Properties	No data available
Vapor Pressure	0.929 Pa @ 20 °C
Vapor Density	No data available
Specific Gravity	No data available
Water Solubility	Insoluble
Solubility	No data available
Partition Coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature °C	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity**Product Information**

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May cause sensitization by skin contact.
Ingestion	May be fatal if swallowed and enters airways.
Inhalation	None under normal use conditions

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Limonene	5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
n-Hexyl acetate	= 36229 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Cinnamaldehyde	= 2220 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Coumarin	-	> 2000 mg/kg (Rat)	-
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-h examethyl-	> 3250 mg/kg (Rat)	> 3250 mg/kg (Rabbit)	-
Naphthalene, 2-methoxy-	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Eugenol	= 1930 mg/kg (Rat)	-	-
.alpha.-Pinene	= 3700 mg/kg (Rat)	> 5000 mg/kg (Rat)	-

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

Skin corrosion/irritation	Causes skin irritation
Eye damage/irritation	Causes serious eye irritation
Sensitization	May cause an allergic skin reaction.
Mutagenic Effects	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	IARC	ACGIH
D-Limonene 5989-27-5 (30 - 60)	Group 3	
Coumarin 91-64-5	Group 3	
Eugenol 97-53-0	Group 3	

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

Reproductive Toxicity	No information available.
Developmental 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

Very toxic to aquatic organisms with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
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)		
Eugenol 97-53-0		LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static		
.alpha.-Pinene 80-56-8		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		LC50 48 h: = 41 mg/L (Daphnia magna)

Persistence and Degradability No information available.
Global warming potential (GWP) No information available.
Ozone depletion potential; ODP; (R-11 = 1): Does not contain ozone depleting chemical (40 CFR Part 82).

Bioaccumulation

Chemical Name	Log Pow
Cinnamaldehyde	2.22
Eugenol	2.27
.alpha.-Pinene	4.1

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

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

IMDG/IMO

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

IATA

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

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

AICS	Contact supplier for inventory compliance status
NZIOC	Contact supplier for inventory compliance status
TSCA	Contact supplier for inventory compliance status
European Union	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
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
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Issuing Date	26-Apr-2018
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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