

Fragrance Delivery Technologies Ltd.

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SAFETY DATA SHEET

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Revision Number 1

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

Product Name	VIVA!e CARTRIDGE FRESH
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 Sensitization	Category 1 (HSNO - 6.5B)
Chronic Aquatic Toxicity	Category 2
Flammable liquids	Category 3 (HSNO - 3.1C)

GHS Label elements, including precautionary statements

Exclamation mark, Health Hazard, Flame



Signal Word**Warning****Hazard Statements**

H317 - May cause an allergic skin reaction
H411 – Toxic to aquatic life with long lasting effects
H226 – Flammable liquid and vapor.

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

Chemical Name	CAS-No	Weight %
n-Hexyl acetate	142-92-7	25 - 50
Ethyl acetoacetate	141-97-9	25 - 50
Heptanoic acid, ethyl ester	106-30-9	5 - 10
1-phenylethyl acetate	93-92-5	5 - 10
Isoamyl butyrate	106-27-4	1 - 5
Ethyl hexanoate	123-66-0	1 - 5
Allyl (3-methylbutoxy)acetate	67634-00-8	1 - 5
2(3H)-Furanone, 5-heptyldihydro-	104-67-6	1 - 5
Trans-hex-2-enal	6728-26-3	0.1 - 1
Isocyclocitral	1335-66-6	0.1 - 1
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6	0.1 - 1
1-(5,5-dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one	56973-85-4	0.1 - 1
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4	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 (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 slightly yellow.
Odor	Fruity
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	132.8°F / 56°C
Evaporation Rate	No data available
Flammable Properties	Not Flammable
Explosive Properties	No data available
Oxidizing Properties	No data available
Vapor Pressure	2.6443 Pa @ 20 °C
Vapor Density	934,31 kg/m ³ at 20 °C
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	There is no data available for this product.
Skin Contact	May cause sensitization by skin contact.

Ingestion There is no data available for this product.
Inhalation None under normal use conditions

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl acetoacetate	= 3980 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	
n-Hexyl acetate	= 41500 µL/kg (Rat)	> 5 g/kg (Rabbit)	
Heptanoic acid, ethyl ester	> 34640 mg/kg (Rat)	> 5 g/kg (Rabbit)	
1-phenylethyl acetate	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	
2(3H)-Furanone, 5-heptyldihydro-	= 18500 mg/kg (Rat)		
Isoamyl butyrate	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	
Isocyclocitral	= 4500 mg/kg (Rat)		
Trans-hex-2-enal	= 780 mg/kg (Rat)	= 600 mg/kg (Rabbit)	

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

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.

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

Toxic to aquatic life. Very toxic to aquatic organisms 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)		
Ethyl hexanoate		LC50 96 h: 8.02-9.97 mg/L flow-through (Pimephales promelas)		

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
Ethyl acetoacetate	0.27

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Disposal of this product, solutions and any by-products should at all times comply with the

Products 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

	Regulated
Proper Shipping Name	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

	Regulated
UN-Number	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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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