SAFETY DATA SHEET

Revision date: 28-Aug-2024



Revision Number 1

Section 1: Identification Product identifier FIORI DI VANIGLIA L/F FFIA00818AA **Product Name** 00000027765 Product Code(s) Other means of identification **UN number or ID number** 3082 Pure substance/mixture Mixture Recommended use of the chemical and restrictions on use **Recommended use** Fragrances. Uses advised against No information available. Illicit Drug Precursors/Reagents This product contains one or more substance(s) on the Illicit Drug Precursors/Reagents list. Verify requirements related to using, handling, and storing these substances. Details of manufacturer or importer Supplier Ixom Operations Pty Ltd (Bronson & Jacobs division) - incorporated in Australia ABN:51 600 546 512 70 Marple Avenue Villawood NSW 2163 Australia Telephone Number: +61 2 8717 2929 Facsimile: +61 2 9755 9611 Emergency telephone number 1 800 033 111 (ALL HOURS) Emergency telephone number

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

Section 2: Hazard identification

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS). Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

GHS Classification Category 2 Skin corrosion/irritation Category 1B Skin sensitization Category 1B Acute aquatic toxicity Category 2 Chronic aquatic toxicity Category 2

Label elements

Exclamation mark Environment



Signal word WARNING

Hazard statements

H315 - Causes skin irritation H317 - May cause an allergic skin reaction H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Avoid release to the environment. **Precautionary Statements - Response** Specific treatment (see First aid on this SDS). IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. **Precautionary Statements - Storage** No storage statements. **Precautionary Statements - Disposal** Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

Toxic to aquatic life.

Section 3: Composition and information on ingredients

Chemical name	CAS No.	Weight-%
Naphthalene,	54464-57-2	10-30
2-acetyl-1,2,3,4,6,7,8-octahydro-2,3,8,8-tetramethyl-		
.alphaHexylcinnamaldehyde	101-86-0	1-10
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	32210-23-4	1-10
Ionone, methyl-	1335-46-2	1-10
.alphaAmylcinnamaldehyde	122-40-7	1-10
Benzenepropanal, .alphamethyl-4-(1-methylethyl)-	103-95-7	1-10
(Cyclamen aldehyde)		

3-ethoxy-4-hydroxy benzaldehyde	121-32-4	1-10
1,3-Benzodioxole-5-carboxaldehyde	120-57-0	1-10
(Heliotropine)		
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	78-70-6	1-10
Ingredients determined not to be hazardous	-	to 100

Section 4: First aid measures

Description of first aid measures

General advice	For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. (Call a physician if symptoms occur).
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms	Irritating. May cause allergic skin reaction. Redness. Rashes. Hives.		
Effects of Exposure	No information available.		
Indication of any immediate medical attention and special treatment needed			
Note to physicians	Treat symptomatically. May cause sensitization by skin contact.		

Section 5: Firefighting measures

Suitable Extinguishing Media

Suitable extinguishing media	Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.	
Unsuitable extinguishing media	No information available.	
Specific hazards arising from the chemical		
Specific hazards arising from the chemical	Combustible liquid. On burning will emit toxic fumes, including those of oxides of carbon. In the event of fire, cool tanks with water spray. Environmentally hazardous. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.	
Hazardous combustion products	Oxides of carbon.	
Special protective actions for fire-fi	ghters	

Special protective equipment and
precautions for fire-fightersFirefighters should wear self-contained breathing apparatus and full firefighting turnout gear.
Use personal protection equipment.
•3ZHazchem code•3ZSection 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not touch or walk through spilled material. Wash thoroughly after handling. Remove all sources of ignition. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. See section 8 for more information.
For emergency responders	Shut off ignition sources. Clear area of all unprotected personnel. Use personal protection recommended in Section 8.
Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Refer to protective measures listed in Sections 7 and 8. See Section 12 for additional Ecological Information.
Methods and material for containm	ent and cleaning up
Methods for containment	Stop leak if you can do it without risk. Remove ignition sources. Provide adequate ventilation. Do not touch or walk through spilled material. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7: Handling and storage

Precautions for safe handling

Advice on safe handling	Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle in accordance with good industrial hygiene and safety practice. Use according to package label instructions. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
General hygiene considerations	Contaminated work clothing should not be allowed out of the workplace. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing is recommended.
Conditions for safe storage, includ	ing any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep container closed when not in use.
	Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.
Incompatible materials	Oxidizing agent.

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits

No value assigned for this specific material by Safe Work Australia.

Chemical name	European Union	United Kingdom	Germany DFG
.alphaAmylcinnamaldehyde 122-40-7	-	-	skin sensitizer

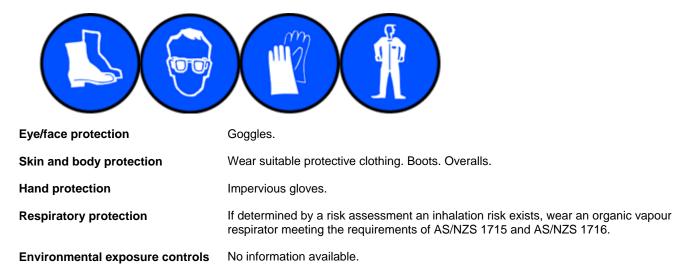
Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.



Thermal hazards No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	Clear	
Color	Pale Yellow to Yellow	
Odor	Fruity , Fresh , Sweet , Ambery and Musk	
Odor threshold	No information available	
<u>Property</u>	<u>Values</u>	Remarks • Method
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known

Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air	114 °C No data available No data available	CC (closed cup) None known None known None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.9810 -1.0010 @20°C	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Section 10: Stability and reactivity

Reactivity

No information available. Reactivity Chemical stability Stability Stable under normal conditions. **Explosion data** Sensitivity to mechanical impact None. Sensitivity to static discharge Yes. Possibility of hazardous reactions Possibility of hazardous reactions None under normal processing. Conditions to avoid Conditions to avoid Heat, flames and sparks. static discharge (electrostatic discharge). Direct sunlight. Incompatible materials Incompatible materials Oxidizing agent. Hazardous decomposition products Hazardous decomposition products Oxides of carbon. Section 11: Toxicological information

Information on likely routes of exposure

Product Information

No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:

Inhalation	May cause irritation.
Eye contact	May cause irritation.
Skin contact	Causes skin irritation. May cause sensitization by skin contact.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Symptoms	Irritating. May cause allergic skin reaction. Redness. Rashes. Hives.

Acute toxicity _.

<u>Numerical measures of toxicity</u> - Product Information No information available

Numerical measures of toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
.alphaHexylcinnamaldehyde	= 3100 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	> 5 mg/L (Rat)4 h
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	= 5 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
lonone, methyl-	> 5 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
.alphaAmylcinnamaldehyde	= 3730 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Benzenepropanal, .alphamethyl-4-(1-methylethyl)- (Cyclamen aldehyde)	= 3810 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
3-ethoxy-4-hydroxy benzaldehyde	>3160 mg/kg (Rat)	>2000 mg/kg (Rat)	-
1,3-Benzodioxole-5-carboxaldehyde (Heliotropine)	= 2700 mg/kg (Rat)	> 5000 mg/kg (Rat)	_
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rabbit)	_

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Causes skin irritation. Classification is based on mixture calculation methods based on component data.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	May cause sensitization by skin contact. Classification is based on mixture calculation methods based on component data.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Section 12: Ecological information

Ecotoxicity

Aquatic ecotoxicity

Keep out of waterways. Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Naphthalene, 2-acetyl-1,2,3,4,6,7,8-octahydro -2,3,8,8-tetramethyl-		LC50 (96 h) - Lepomis macrochirus - 1.3 mg/L NOEC (30 days) - Danio rerio - 0.16 mg/L (1)	-	EC50 (48 h) - Daphnia magna - 1.38 mg/L NOEC (21 days) - Daphnia magna – 0.044 mg/L(1)
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	-	LC50: =8.6mg/L (96h, Cyprinus carpio)	-	-
Ionone, methyl-	-	LC50: =2.3mg/L (96h, Danio rerio)	-	-
3-ethoxy-4-hydroxy benzaldehyde	EC50: >100 mg/l (72h,Pseudokirchne riella subcapitata)(1)	LC50: 81.4 - 94.3mg/L (96h, Pimephales promelas)	158.7 mg/l (40h,Tetrahymena pyriformis)(1)	-
1,3-Benzodioxole-5-carboxalde hyde (Heliotropine)	-	LC50: =2.5mg/L (96h, Cyprinus carpio)	-	-
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	EC50: =88.3mg/L (96h, Desmodesmus subspicatus)	LC50: =27.8mg/L (96h, Oncorhynchus mykiss)	-	EC50: =20mg/L (48h, Daphnia magna)

Terrestrial ecotoxicity

There is no data for this product.

Persistence and degradability

Persistence and degradability No information available.

Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient	
Naphthalene, 2-acetyl-1,2,3,4,6,7,8-octahydro-2,3,8,8-tetramethyl-	5.7	
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	4.8	
lonone, methyl-	5	

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alphaAmylcinr. Benzenepropanal, .alphamethyl-4		2.498 3.4	
aldehy		3.4	
3-ethoxy-4-hydroxy benzaldehyde		1.55 - 1.61 @ 20°C (1)	
1,3-Benzodioxole-5-carboxaldehyde 1.2 (Heliotropine)			
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool) 2.9			
Mobility	• • • • •		
-			
Mobility	No information available.		
Other adverse effects			
Other adverse effects	No information available.		
Section 13: Disposal cons	iderations		
Waste treatment methods			
Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.		
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Dispose of in accordance with federal, state and local regulations.		
See section 8 for more information			
Section 14: Transport info	rmation		
ADG	Classified as Dangerous Goods b (ADG Code) for Transport by Roa	by the criteria of the Australian Dangerous Goods Code ad and Rail; DANGEROUS GOODS.	
	are not subject to the provisions of	stances meeting the descriptions of UN 3077 or UN 3082 of the Australian Code for the Transport of Dangerous ansported by road or rail in: packagings that do not ng 500 kg(L); or IBCs.	
UN number or ID number Proper shipping name	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ETHANONE,1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)-)		
Transport hazard class(es) Packing group Environmental hazard Hazchem code	9 III Yes •3Z		
IATA	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.		
UN number UN proper shipping name	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ETHANONE,1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)-)		
Transport hazard class(es) Packing group	9 III		
IMDG_	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.		

	ONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS IONE,1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL
Transport hazard class(es)9Packing groupIIIIMDG EMS FireF-AIMDG EMS SpillS-F	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

<u>Australia</u>

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS). Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

Poison Schedule Number Not applicable

Australian Industrial Chemicals Introduction Scheme (AICIS)

Chemical name	Australian Industrial Chemicals Introduction Scheme (AICIS)	Additional information
Naphthalene,	Present	-
2-acetyl-1,2,3,4,6,7,8-octahydro-2,3,8, 8-tetramethyl 54464-57-2		
.alphaHexylcinnamaldehyde - 101-86-0	Present	-
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate - 32210-23-4	Present	-
lonone, methyl 1335-46-2	Present	-
.alphaAmylcinnamaldehyde - 122-40-7	Present	-
Benzenepropanal, .alphamethyl-4-(1-methylethyl)- (Cyclamen aldehyde) - 103-95-7	Present	-
3-ethoxy-4-hydroxy benzaldehyde - 121-32-4	Present	-

Chemical name	Australian Industrial Chemicals Introduction Scheme (AICIS)	Additional information
1,3-Benzodioxole-5-carboxaldehyde (Heliotropine) - 120-57-0	Present	-
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool) - 78-70-6	Present	-
Ingredients determined not to be hazardous	Present	-

Illicit Drug Precursors/Reagents

This product contains one or more substance(s) on the Illicit Drug Precursors/Reagents list. Verify requirements related to using, handling, and storing these substances.

t Drug Precursors/Reagents
egory 1
-

International Inventories

AIIC	All the constituents of this material are listed on the Australian Inventory of Industrial
	Chemicals.
NZIOC	All the constituents of this material are listed on the New Zealand Inventory of Chemicals.
TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	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.
PICCS	Contact supplier for inventory compliance status.

Legend:

AIIC AIIC- Australian Inventory of Industrial Chemicals

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

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European 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

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Section 16: Other information

Reason(s) For Issue:	First Issue Primary SDS
Prepared By	This Safety Data Sheet has been prepared by IXOM Operations Pty Ltd (Toxicology and SDS Services).
Revision date:	28-Aug-2024

Revision Note:

The symbol (*) in the margin of this SDS indicates that this line has been revised.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization: PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances STOT: Specific Target Organ Toxicity ATE: Acute Toxicity Estimate LC50: 50% Lethal Concentration LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA Ceiling C	TWA (time-weighted average) Maximum limit value Carcinogen	STEL *	STEL (Short Term Exposure Limit) Skin designation
Agency for Toxic S U.S. Environment European Food S Environmental Pro Acute Exposure G U.S. Environment U.S. Environment Food Research Jo Hazardous Substa International Unifo National Institute of Australia National Australian Industri NIOSH (National I National Library of U.S. National Tox New Zealand's Ch Organization for E	Auideline Level(s) (AEGL(s)) al Protection Agency Federal Insecticide, Fund al Protection Agency High Production Volume burnal ance Database form Chemical Information Database (IUCLID) of Technology and Evaluation (NITE) Industrial Chemicals Notification and Assess al Chemicals Introduction Scheme (AICIS) Institute for Occupational Safety and Health) f Medicine's ChemID Plus (NLM CIP) f Medicine's PubMed database (NLM PUBME icology Program (NTP) memical Classification and Information Database conomic Co-operation and Development Envi iconomic Co-operation and Development High iconomic Co-operation and Development Scree	gicide, and Rodentic Chemicals nent Scheme (NICN D) se (CCID) ronment, Health, an	AS) d Safety Publications c Chemicals Program

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Bronson & Jacobs representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of

which is available upon request.

Bronson and Jacobs incorporating the businesses of Woods and Woods and Keith Harris and Australian Botanical Products.

End of Safety Data Sheet