

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

Section 1. I dentification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name VERDANT
Code Number FM73627

Alternative Name

REACH Reg No Not registered

1.2 Relevant identified uses of the substance or mixture and uses advised against For fragrance use in candle products.

1.3 Details of the supplier of the safety data sheet

Australian Botanical Products Ltd

39 Melverton Drive, Hallam

Victoria, 3803 Australia

Australia

ABN: 45006782529

Telephone Number Tel No. +613 97094800 Email Address abpsales@ixom.com

1.4 Emergency Tel No Emergency No. +61 1 800 033 111

Section 2. Hazard Identification

2.1 Classification of the substance or mixture

SCI 2 Skin corrosion/irritation, category 2
SS 1B Skin sensitisation, category 1B
EDI 2A Eye damage/irritation, category 2A
EH A2 Aquatic hazard, acute, category 2
EH C2 Aquatic hazard, chronic, category 2

2.2 Label elements

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Warning

Hazard Statements

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

P261 Avoid breathing fumes.

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection

P333+P313 If skin irritation or rash occurs: Get medical advice.

P337+P313 If eye irritation persists: Get medical attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents/container in accordance to local regulations

2.3 Other Hazards

Contains alpha-iso-Methylionone, Amyl Cinnamal, Benzyl Alcohol, Benzyl Benzoate, Benzyl Salicylate, Citronellol, Eugenol, Farnesol, Geraniol, Hexyl Cinnamal, Hydroxycitronellal, Isoeugenol, Limonene, Linalool and Methyl 2-Octynoate which may produce an allergic reaction

No further information available at this time

Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627 Version 2 Revised 30/07/2024 12:58:41 PM

3.2 Mixtures

Complex mixture of ingredients

Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 118-58-1 EINECS 204-262-9 REACH	Benzyl salicylate SS 1B;EDI 2A;EH C2 H317,H319,H411	10% - 30%
CAS 24851-98-7 EINECS 246-495-9 REACH	methyl 3-oxo-2-pentylcyclopentaneacetate EH A2 H401	10% - 30%
CAS 6259-76-3 EINECS 228-408-6 REACH	hexyl salicylate SS 1;EH A1,C1 H317,H400,H410	1% - 10%
CAS 54464-57-2 EINECS 259-174-3 REACH	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) SCI 2;SS 1B;EH C1 H315,H317,H410	1% - 10%
CAS 120-51-4 EINECS 204-402-9 REACH	Benzyl benzoate ATO 4(1500);EH C2 H302,H411	1% - 10%
CAS 87-20-7 EINECS 201-730-4 REACH	isopentyl salicylate ATO 4;SS 1B;EH A2,C2 H302,H317,H401,H411	1% - 10%
CAS 107-75-5 EINECS 203-518-7 REACH	7-hydroxycitronellal SCI 2;SS 1B;EDI 2A;EH A3 H315,H317,H319,H402	1% - 10%
CAS 90-87-9 EINECS 202-022-8 REACH	2-phenylpropionaldehyde-dimethyl acetal FL 4;ATO 4(1850);SCI 3 H227,H302,H316	1% - 10%
CAS 101-86-0 EINECS 202-983-3 REACH	a-hexylcinnamaldehyde SS 1B; EH A1,C2 H317,H400,H411	1% - 10%
CAS 100-51-6 EINECS 202-859-9 REACH	benzyl alcohol ATO 4;ATD 5;EDI 2A;ATI 4 H302,H313,H319,H332	1% - 10%
CAS 140-11-4 EINECS 205-399-7 REACH	Benzyl acetate FL 4;ATO 5(2490);SCI 2;EDI 2A;ATI 5;STO-SE 3(RI);EH A2,C2 H227,H303,H315,H319,H333,H335,H401,H411	1% - 10%
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool FL 4;SS 1B H227,H317	1% - 10%

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

CAS 18871-14-2 EINECS 242-640-5 REACH	tetrahydro-3-pentyl-2H-pyran-4-yl acetate EH C3 H412	1% - 10%
CAS 111-80-8 EINECS 203-909-2 REACH	methyl non-2-ynoate ATO 4(1600);ATD 5(4500);SCI 2;SS 1A;EH A1,C3 H302,H313,H315,H317,H400,H412	<1%
CAS 65405-77-8 EINECS 265-745-8 REACH	(Z)-3-hexenyl salicylate ATO 5;EH A1,C1 H303,H400,H410	<1%

Refer to section 16 for the wording of listed classification and hazard statement codes

Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal. Obtain medical advice if necessary.

After skin contact

Causes skin irritation, May cause an allergic skin reaction. Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Causes serious eye irritation. Flush eyes with plenty of water for 15 minutes including under eyelid. Seek medical advice if irritation persists. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

After ingestion

Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately. Never give anything by the mouth to an unconscious patient.

- 4.2 Most important symptoms and effects, both acute and delayed Take phrases in sections 2 and 11 into account. No further information available at this time.
- 4.3 Indication of immediate medical attention and special treatment needed Treat symptomatically.

Section 5. Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

5.2 Special hazards arising from the substance or mixture May produce Carbon dioxide and unidentified organic compounds.

5.3 Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of dusts/vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

HazChem Code •3Z

Section 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible, contain the spill.
- 6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

Section 7. Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

7.3 Specific end use(s)

No further information available.

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

Section 8. Exposure controls / personal protection

8.1 Control Parameters

No exposure standards have been established for this material by Work safe Australia. However, as a matter of course avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe dusts/vapours. Sensitive individuals may develop an allergic response.

8.2 Exposure controls

Engineering controls

Natural ventilation should be sufficient, however where dusts/vapours are generated the use of a grounded mechanical exhaust ventilation system is recommended.

Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice.

Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection

Use splash-proof safety glasses and face shield where splashing is possible.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Depending on conditions in the workplace, additional body protection should be considered. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas.

Thermal hazards

No information.

Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.

National Exposure Standards

No exposure standards have been established for this material by Worksafe Australia.

Biological Limit Values

No biological limit allocated.

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM7.3627

Version 2 Revised 30/07/2024 12:58:41 PM

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 119°C

APPEARANCE Mobile liquid

COLOUR Colourless to pale yellow

ODOUR Gardenia, jasmine, white flower

ODOUR THRESHOLD Not available pH @20 DEG C Not available MELTING/FREEZING POINT Not available INITIAL BOILING POINT AND Not available

RANGE

EVAPORATION RATE Not available FLAMMABILITY (SOLID/GAS) Not available UPPER/LOWER FLAMMABILITY

LIMITS

Not available

VAPOUR PRESSURE Not available **VAPOUR DENSITY** Not available SPECIFIC GRAVITY @ 20°C 1.036 - 1.056

SOLUBILITIES Insoluble in water

PARTITION COEFF Not available

N-OCTANAL/WATER

AUTO-IGNITION TEMPERATURE Not available **DECOMPOSITION TEMPERATURE** Not available VISCOSITY @ 20 DEG C Not available **EXPLOSIVE PROPERTIES** Not available **OXIDISING PROPERTIES** Not available

9.2 Other information

No further information available.

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

Section 10. Stability and reactivity

10.1 Reactivity

No data.

10.2 Chemical Stability

Stable under the recommended storage conditions (see section 7).

10.3 Possibility of hazardous reactions

No hazardous reactions if stored under suitable storage conditions.

10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.

10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic material.

10.6 Hazardous decomposition products

During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available data.

Skin corrosion / irritation

Causes skin irritation.

Serious eye damage / irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

No data

Carcinogenicity

No data

Reproductive toxicity

No data

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

STO-single exposure

No data

STO-repeated exposure

No data

Aspiration hazard

No data

Information on likely routes of exposure

No data

 $\label{thm:condition} \mbox{Symptoms related to the physical, chemical and toxicological characteristics}$

No data

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

No data

Interactive effects

No data

Other information

No data

Section 12. Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects. Avoid contaminating waterways.

Contains Tetramethyl acetyloctahydronaphthalenes (54464-57-2):

LC50 (96 h) - Lepomis macrochirus - 1.3 mg/L

EC50 (48 h) - Daphnia magna - 1.38 mg/L

EC50 (72 h) - Scenedesmus subspicatus - 2.6 mg/L

NOEC (30 days) - Danio rerio - 0.16 mg/L

NOEC (21 days) - Daphnia magna - 0.044 mg/L

NOEC (72 h) - Scenedesmus subspicatus - 2.6 mg/L

12.2 Persistence and degradability

No test data available for this substance.

12.3 Bioaccumulative potential

No data.

12.4 Mobility in soil

Avoid soil, surface water and water-bearing stratum contamination.

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

12.5 Results of PBT and vPvB assessment

No data.

12.6 Other adverse effects

See sections 6, 7, 13 and 15.

Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

Section 14. Transport information

14.1 UN number

ADR 3082 IATA 3082 IMDG 3082

14.2 UN proper shipping name

ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS

TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS

TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS

TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

14.3 Transport hazard class(es)

ADR 9
IATA 9
IMDG 9

14.4 Packing group

ADR III
IATA III
IMDG III
Tunnel Code (-)

14.5 Environmental Hazards

Dangerous for the environment. Marine pollutant.

14.6 Special precautions for user

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

Maritime Transport (International Maritime Dangerous Goods Code (IMDG Code)):

EmS: F-A,S-F

Marine Pollutant: Yes

Road and Rail Transport (Australian Dangerous Goods Code (ADG Code)):

HazChem Code •3Z

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Section 15. Regulatory information

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

Poison Schedule (SUSMP): Not Applicable HS Tariff Code: 3302.90.00

All the constituents of this material are compliant with AICIS regulation.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

Section 16. Other information

P501

Full list of precautionary phrases

P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Dispose of contents/container in accordance to local regulations

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

Wording of any hazard classes listed in section 3		
FL 3	Flammable liquid, category 3	
FL 4	Flammable liquid, category 4	
ATO 3	Acute toxicity, oral, category 3	
ATO 4	Acute toxicity, oral, category 4	
ATO 5	Acute toxicity, oral, category 5	
AH 1	Aspiration hazard, category 1	
ATD 3	Acute toxicity, dermal, category 3	
ATD 4	Acute toxicity, dermal, category 4	
ATD 5	Acute toxicity, dermal, category 5	
SCI 1B	Skin corrosion/irritation, category 1B	
SCI 2	Skin corrosion/irritation, category 2	
SCI 3	Skin corrosion/irritation, category 3	
SS 1	Skin sensitisation, category 1	
SS 1A	Skin sensitisation, category 1A	
SS 1B	Skin sensitisation, category 1B	
EDI 1	Eye damage/irritation, category 1	
EDI 2A	Eye damage/irritation, category 2A	
ATI 4	Acute toxicity, inhalation, category 4	
ATI 5	Acute toxicity, inhalation, category 5	
STO-SE 3(RI)	Specific target organ, single exposure, respiratory irritation	
REP 2	Reproductive toxicity, category 2	
EH A1	Aquatic hazard, acute, category 1	
EH A2	Aquatic hazard, acute, category 2	
EH A3	Aquatic hazard, acute, category 3	
EH C1	Aquatic hazard, chronic, category 1	
EH C2	Aquatic hazard, chronic, category 2	
EH C3	Aquatic hazard, chronic, category 3	
Wording of any I	nazard statements listed in section 3	
H226	Flammable liquid and vapour	
H227	Combustible liquid	
H301	Toxic if swallowed	
H302	Harmful if swallowed	
H303	May be harmful if swallowed	

Printed on 30 Jul 2024

GHS: According to 2015/830/EU

Code Number FM73627

Version 2 Revised 30/07/2024 12:58:41 PM

H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H333	May be harmful if inhaled
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

References and further information

N/A = Not applicable

SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons

AIIC = Australian Inventory of Industrial Chemical

AICIS = Australian Industrial Chemicals Introduction Scheme

Version 1: GHS format, 9/06/2017

Version 2: Mandatory revision, RB 30/07/2024