# SAFETY DATA SHEET



Revision date: 22-Feb-2021

**Revision Number** 4

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product identifier** 

Product Name TODDLA A920811

**Product Code(s)** 000000035595

Other means of identification

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BENZYL

BENZOATE)

UN number 3082

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Recommended use Fragrances.

**Uses advised against** No information available.

**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

Emergency telephone number 1 800 033 111 (ALL HOURS)

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.

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

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.

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Flammable liquids	Category 4 - (H227)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1A - (H317)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 2 - (H411)

#### **SIGNAL WORD**

Warning

#### Label elements

Exclamation mark
Environment

#### **Hazard statements**

H227 - Combustible liquid

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves / protective clothing / eye protection / face protection

Avoid breathing dust / fume / gas / mist / vapours / spray

Contaminated work clothing should not be allowed out of the workplace

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Avoid release to the environment

### **Precautionary Statements - Response**

Specific treatment (see First aid on this SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing lf eve irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet for extinction.

Collect spillage

### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

# **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### Other hazards which do not result in classification

May be harmful if swallowed

Poisons Schedule (SUSMP)

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

Chemical name	CAS No.	Weight-%
Benzyl benzoate	120-51-4	30-60
1,3-Benzodioxole-5-carboxaldehyde	120-57-0	10-<30
(Heliotropine)		
D,L-Citronellol	106-22-9	1-<10
Coumarin	91-64-5	1-<10
d-Limonene	5989-27-5	1-<10
2-Propenoic acid, 3-phenyl-, methyl ester	103-26-4	1-<10
Linalyl acetate	115-95-7	1-<10
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)	106-24-1	1-<10
Lemon, extract	84929-31-7	1-<10
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	78-70-6	1-<10
Oils, ylang ylang	8006-81-3	1-<10
Iso eugenol	97-54-1	0.1-<1
Non-hazardous ingredients	Proprietary	Balance

### 4. FIRST AID MEASURES

Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Emergency telephone number** Poisons Information Center, Australia: 13 11 26

Poisons Information Center, New Zealand: 0800 764 766

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

**Skin contact**Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or

allergic reactions see a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s)

involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes, and clothing. Wear personal protective clothing (see section

8).

Most important symptoms and effects, both acute and delayed

**Symptoms** Itching. Rashes. Hives. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization by skin contact. Treat symptomatically.

### 5. FIRE FIGHTING 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. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. May cause sensitization by skin contact. Environmentally hazardous. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous combustion products Carbon oxides.

Special protective actions for fire-fighters

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

Hazchem code •3Z

### 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**See section 8 for more information. Take precautionary measures against static discharges.

Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid contact with

skin, eyes, and clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions** 

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage

if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far

ahead of liquid spill for later disposal. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labelled containers.

# 7. HANDLING AND STORAGE

#### Precautions for safe handling

hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and

safety practice. Avoid contact with skin, eyes, and clothing. Do not eat, drink or smoke when using this product.

### **General hygiene considerations**

Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

#### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight.

Classified as a C1 (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.

This material is a Scheduled Poison and must be stored, maintained and used in accordance with the relevant regulations.

Incompatible materials

Strong oxidizing agents.

Poisons Schedule (SUSMP)

6

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

**Exposure Limits** 

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

#### **Appropriate engineering controls**

### **Engineering controls**

Apply technical measures to comply with the occupational exposure limits.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

### 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.









**Eye/face protection** Goggles.

**Skin and body protection** Wear suitable protective clothing. Antistatic boots. Overalls.

Hand protection Impervious gloves.

**Respiratory protection** If determined by a risk assessment an inhalation risk exists, wear an organic

vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

**Environmental exposure controls** No information available.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid Appearance Clear

Color Yellow to Dark yellow

Odor Sweet, Petals, Green, Floral, Herbal, Woody, Amber, Dry, Spicy, Powdery

Odor threshold No information available.

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

No data available рH None known Melting point / freezing point No data available None known No data available None known Boiling point / boiling range 86 °C Flash point CC (closed cup) **Evaporation rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapor pressure No data available None known None known Vapor density No data available Relative density 1.047 - 1.067 @ 20 °C Water solubility No data available None known Solubility(ies) No data available None known **Partition coefficient** No data available None known None known No data available **Autoignition temperature Decomposition temperature** No data available None known Kinematic viscosity No data available None known **Dynamic viscosity** No data available None known

Other information

### 10. STABILITY AND REACTIVITY

Reactivity

**Reactivity** No information available.

**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. Direct sunlight.

**Incompatible materials** 

Incompatible materials Strong oxidizing agents.

**Hazardous decomposition products** 

Hazardous decomposition products Carbon oxides.

### 11. TOXICOLOGICAL INFORMATION

### **Acute toxicity**

### 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** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

Eye contact Irritating to eyes. Specific test data for the substance or mixture is not available. Causes

serious eye irritation. (based on components).

**Skin contact** May cause sensitization by skin contact. Repeated or prolonged skin contact may cause

allergic reactions with susceptible persons. Causes skin irritation. (based on components).

Specific test data for the substance or mixture is not available.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Specific test

data for the substance or mixture is not available. May be harmful if swallowed. (based on

components).

**Symptoms** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

#### Numerical measures of toxicity - Product Information

### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) >2,000 mg/kg

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl benzoate	= 500 mg/kg (Rat)	= 4000 mg/kg ( Rabbit )	-
1,3-Benzodioxole-5-carboxalde hyde (Heliotropine)	= 2700 mg/kg (Rat)	> 5 g/kg(Rat)	-
D,L-Citronellol	= 3450 mg/kg ( Rat )	= 2650 mg/kg ( Rabbit )	-
Coumarin	= 293 mg/kg(Rat) > 5000 mg/kg(Rat)	> 2000 mg/kg (Rat)	-
d-Limonene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg(Rabbit)	-
2-Propenoic acid, 3-phenyl-, methyl ester	= 2610 mg/kg ( Rat )	> 5 g/kg(Rabbit)	-
Linalyl acetate	= 14550 mg/kg ( Rat ) = 13934 mg/kg ( Rat )	> 5000 mg/kg (Rabbit)	-
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)	= 3600 mg/kg (Rat)	> 5 g/kg(Rabbit)	-
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rat)	-
Oils, ylang ylang	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Iso eugenol	= 1560 mg/kg (Rat)	-	-

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** Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** May cause sensitization by skin contact.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Chemical name	Australia
Iso eugenol - 97-54-1	Carc. 2

Reproductive toxicity

STOT - single exposure

STOT - repeated exposure

Aspiration hazard

No information available.

No information available.

No information available.

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

**Ecotoxicity** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Keep out of

waterways.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzyl benzoate	-	LC50: =2.32mg/L (96h, Danio rerio)	-	-
1,3-Benzodioxole-5-carb oxaldehyde (Heliotropine)	-	LC50: =2.5mg/L (96h, Cyprinus carpio)	-	-
d-Limonene	-	LC50: 0.619 - 0.796mg/L (96h, Pimephales promelas) LC50: =35mg/L (96h, Oncorhynchus mykiss)	-	-
2-Propenoic acid, 3-phenyl-, methyl ester	-	LC50: =2.76mg/L (96h, Danio rerio)	-	-
Linalyl acetate	-	LC50: =11mg/L (96h, Cyprinus carpio)	-	-
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)	-	LC50: =22mg/L (96h, Danio rerio)	-	-
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	EC50: =88.3mg/L (96h, Desmodesmus subspicatus)	LC50: =27.8mg/L (96h, Oncorhynchus mykiss) LC50: 22 - 46mg/L (96h, Leuciscus idus)	-	EC50: =20mg/L (48h, Daphnia magna)

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
Benzyl benzoate	4
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	2.84 - 3.1

**Mobility** 

Mobility in soil No information available.

Other adverse effects

# 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused Should not be released into the environment. Dispose of in accordance with local products

regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

# 14. TRANSPORT INFORMATION

# <u>ADG</u>

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.

UN number 3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BENZYL

BENZOATE)

Hazard class 9
Packing group III
Environmental hazard Yes
Hazchem code •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 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BENZYL

BENZOATE)

Transport hazard class(es) 9
Packing group III

#### IMDG

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BENZYL

BENZOATE)

Transport hazard class(es)

Packing group

IMDG EMS Fire

F-A

IMDG EMS Spill

S-F

Marine pollutant

9

III

F-A

Yes

# 15. REGULATORY INFORMATION

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

### **National regulations**

#### Australia

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

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.

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

See section 8 for national exposure control parameters

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule (SUSMP) 6

### **National pollutant inventory**

Subject to reporting requirement

Chemical name	National pollutant inventory
Benzyl benzoate - 120-51-4	20 MW Threshold category 2b total
	60000 MWH Threshold category 2b total
	1 tonne/h Threshold category 2a total
	25 tonne/yr Threshold category 1a total
	400 tonne/yr Threshold category 2a total
	2000 tonne/yr Threshold category 2b total
d-Limonene - 5989-27-5	20 MW Threshold category 2b total
	60000 MWH Threshold category 2b total
	1 tonne/h Threshold category 2a total
	25 tonne/yr Threshold category 1a total
	400 tonne/yr Threshold category 2a total
	2000 tonne/yr Threshold category 2b total

**International Inventories** 

AICS All the constituents of this material are listed on the Australian Inventory of Industrial

Chemicals.

Legend:

- Australian Inventory of Industrial Chemicals

**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

### 16. OTHER INFORMATION

Reason(s) For Issue: 5 Yearly Revised Primary SDS

Issuing Date: 22-Feb-2021

This Safety Data Sheet has been prepared by Ixom Operations Pty Ltd (Toxicology and SDS Services).

**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 Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

C Carcinogen

Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australian Industrial Chemicals Introduction Scheme (AICIS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

### **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.

**End of Safety Data Sheet**