

# SAFETY DATA SHEET



Revision date: 18-Oct-2021

Revision Number 4

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### Product identifier

**Product Name** FRAGRANCE FRESH LINEN D100145

**Product Code(s)** 000000032147

### Other means of identification

**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).

|  |            |
|--|------------|
| <b>Flammable liquids</b>                 | Category 4 |
| <b>Aspiration hazard</b>                 | Category 1 |
| <b>Skin corrosion/irritation</b>         | Category 2 |
| <b>Serious eye damage/eye irritation</b> | Category 1 |
| <b>Skin sensitization</b>                | Category 1 |
| <b>Acute aquatic toxicity</b>            | Category 2 |
| <b>Chronic aquatic toxicity</b>          | Category 2 |

**SIGNAL WORD**

Danger

**Label elements**

Environment  
Health hazard  
Corrosion  
Exclamation mark

**Hazard statements**

H227 - Combustible liquid  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
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  
Immediately call a POISON CENTER or doctor/physician  
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  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction  
Collect spillage

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Other hazards which do not result in classification****General Hazards**

Poisons Schedule (SUSMP)

None allocated

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Mixture**

| Chemical name                                      | CAS No.    | Weight-% |
|--|------------|----------|
| d-Limonene   | 5989-27-5  | 10-<30%  |
| Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate      | 32210-23-4 | 1-<10%   |
| 1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)        | 78-70-6    | 1-<10%   |
| 1,8-Cineole  | 470-82-6   | 1-<10%   |
| 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)  | 106-24-1   | 1-<10%   |
| Alcohols   | -          | 1-<10%   |
| Linalyl acetate                                    | 115-95-7   | 1-<10%   |
| .alpha.-Hexylcinnamaldehyde                        | 101-86-0   | 1-<10%   |
| Diethyl phthalate                                  | 84-66-2    | 1-<10%   |
| 2-methyl-3-(4-tert.-butylphenyl)-propanal (Lilial) | 80-54-6    | 1-<10%   |
| Citral   | 5392-40-5  | 1-<10%   |
| Ingredients determined not to be hazardous         | -          | to 100%  |

**4. FIRST AID MEASURES****Description of first aid measures**

|   |  |
|---|--|
| <b>General advice</b>                     | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.  |
| <b>Emergency telephone number</b>         | Poisons Information Center, Australia: 13 11 26<br>Poisons Information Center, New Zealand: 0800 764 766   |
| <b>Inhalation</b>                         | Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur. Remove to fresh air. |
| <b>Eye contact</b>                        | 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. Call a physician immediately.   |
| <b>Skin contact</b>                       | 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.   |
| <b>Ingestion</b>                          | ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.   |
| <b>Self-protection of the first aider</b> | 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 direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid contact with skin, eyes, and clothing.                                       |

**Most important symptoms and effects, both acute and delayed**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Irritation/Corrosion. May cause redness and tearing of the eyes. May cause allergic skin reaction. Redness. Rashes. Hives. |
|-----------------|--|

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically. May cause sensitization by skin contact. Delayed pulmonary edema may occur.

**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.

**For emergency responders** Use personal protection recommended in Section 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****Advice on safe handling**

Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, 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. Store away from other materials. 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.

**Incompatible materials**

Strong oxidizing agents.

**Poisons Schedule (SUSMP)**

None allocated

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Limits**

No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituent(s):

| Chemical name                | Australia                     | ACGIH TLV |
|------------------------------|-------------------------------|-----------|
| Diethyl phthalate<br>84-66-2 | 8hr TWA = 5 mg/m <sup>3</sup> |           |

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Appropriate engineering controls****Engineering controls**

Eyewash stations. 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. Wear suitable 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

|                       |                           |
|-----------------------|---------------------------|
| <b>Physical state</b> | Liquid                    |
| <b>Appearance</b>     | Clear                     |
| <b>Color</b>          | Yellow to Dark yellow     |
| <b>Odor</b>           | Fresh Citrus Floral Green |
| <b>Odor threshold</b> | No information available. |

| <u>Property</u>                               | <u>Values</u>     | <u>Remarks • Method</u> |
|---|-------------------|-------------------------|
| <b>pH</b>                                     | No data available | None known              |
| <b>pH (as aqueous solution)</b>               | No data available | None known              |
| <b>Melting point / freezing point</b>         | No data available | None known              |
| <b>Boiling point / boiling range</b>          | No data available | None known              |
| <b>Flash point</b>                            | 61°C              | CC (closed cup)         |
| <b>Evaporation rate</b>                       | No data available | None known              |
| <b>Flammability (solid, gas)</b>              | No data available | None known              |
| <b>Flammability Limit in Air</b>              |                   | None known              |
| <b>Upper flammability or explosive limits</b> | No data available |                         |
| <b>Lower flammability or explosive limits</b> | No data available |                         |
| <b>Vapor pressure</b>                         | No data available | None known              |
| <b>Vapor density</b>                          | No data available | None known              |
| <b>Relative density</b>                       | 0.9420 - 0.9620   | @ 20 °C                 |

|                                  |                   |            |
|----------------------------------|-------------------|------------|
| <b>Water solubility</b>          | No data available | None known |
| <b>Solubility(ies)</b>           | No data available | None known |
| <b>Partition coefficient</b>     | No data available | None known |
| <b>Autoignition temperature</b>  | No data available | None known |
| <b>Decomposition temperature</b> | No data available | None known |
| <b>Kinematic viscosity</b>       | No data available | None known |
| <b>Dynamic viscosity</b>         | 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 toxicityInformation 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** Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. Specific test data for the substance or mixture is not available. May cause irritation.

**Eye contact** Causes serious eye damage. Specific test data for the substance or mixture is not available.

**Skin contact** May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Repeated exposure may cause skin dryness or

cracking. Causes skin irritation. (based on components). Specific test data for the substance or mixture is not available.

**Ingestion**

Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Symptoms**

Irritation/Corrosion. May cause redness and tearing of the eyes. May cause allergic skin reaction. Redness. Rashes. Hives.

**Numerical measures of toxicity - Product Information**

No information available.

ATEmix (oral) >5,000 mg/kg

**Component Information**

| Chemical name  | Oral LD50                                      | Dermal LD50             | Inhalation LC50                      |
|--|--|-------------------------|--------------------------------------|
| d-Limonene   | = 5200 mg/kg ( Rat )<br>= 4400 mg/kg ( Rat )   | > 5 g/kg ( Rabbit )     | -                                    |
| Cyclohexanol,<br>4-(1,1-dimethylethyl)-, acetate       | = 3370 mg/kg ( Rat )                           | > 5000 mg/kg ( Rabbit ) | -                                    |
| 1,6-Octadien-3-ol, 3,7-dimethyl-<br>(Linalool)         | = 2790 mg/kg ( Rat )                           | = 5610 mg/kg ( Rat )    | -                                    |
| 1,8-Cineole  | = 2480 mg/kg ( Rat )                           | -                       | -                                    |
| 2,6-Octadien-1-ol, 3,7-dimethyl-,<br>(E)- (Geraniol)   | = 3600 mg/kg ( Rat )                           | > 5 g/kg ( Rabbit )     | -                                    |
| Linalyl acetate  | = 14550 mg/kg ( Rat )<br>= 13934 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | -                                    |
| .alpha.-Hexylcinnamaldehyde                            | = 3100 mg/kg ( Rat )                           | > 3000 mg/kg ( Rabbit ) | > 5 mg/L ( Rat ) 4 h                 |
| Diethyl phthalate                                      | = 8600 mg/kg ( Rat )                           | > 11200 mg/kg ( Rat )   | > 4.64 mg/L ( Rat ) 6 h              |
| 2-methyl-3-(4-tert.-butylphenyl)-<br>propanal (Lilial) | = 1390 mg/kg ( Rat )                           | > 5000 mg/kg ( Rabbit ) | > 1802 mg/m <sup>3</sup> ( Rat ) 4 h |
| Citral   | = 4960 mg/kg ( Rat )                           | = 2250 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**

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 damage.

**Respiratory or skin sensitization**

Classification based on data available for ingredients. May cause sensitization by skin contact.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.



|                                 |   |
|---------------------------------|---|
| <b>STOT - repeated exposure</b> | No information available.                     |
| <b>Aspiration hazard</b>        | May be fatal if swallowed and enters airways. |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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

| Chemical name                                      | Algae/aquatic plants   | Fish   | Toxicity to microorganisms | Crustacea   |
|--|--|--|----------------------------|---|
| d-Limonene   | -  | LC50: 0.619 - 0.796mg/L (96h, Pimephales promelas) LC50: =35mg/L (96h, Oncorhynchus mykiss)  | -                          | -   |
| Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate      | -  | LC50: =8.6mg/L (96h, Cyprinus carpio) LC50: =15.5mg/L (48h, Leuciscus idus)  | -                          | EC50: =9.6mg/L (24h, Daphnia magna)                                       |
| 1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)        | EC50: =88.3mg/L (96h, Desmodosmus subspicatus)   | LC50: =27.8mg/L (96h, Oncorhynchus mykiss) LC50: 22 - 46mg/L (96h, Leuciscus idus)   | -                          | EC50: =20mg/L (48h, Daphnia magna)  |
| 1,8-Cineole  | -  | LC50: 95.4 - 109mg/L (96h, Pimephales promelas)  | -                          | -   |
| 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)  | -  | LC50: =22mg/L (96h, Danio rerio)   | -                          | -   |
| Linalyl acetate                                    | -  | LC50: =11mg/L (96h, Cyprinus carpio)   | -                          | -   |
| Diethyl phthalate                                  | EC50: =23mg/L (72h, Desmodosmus subspicatus) EC50: =21mg/L (96h, Desmodosmus subspicatus) EC50: 42 - 255mg/L (72h, Pseudokirchneriella subcapitata) EC50: 2.11 - 4.29mg/L (96h, Pseudokirchneriella subcapitata) | LC50: =17mg/L (96h, Pimephales promelas) LC50: =16.8mg/L (96h, Pimephales promelas) LC50: =22mg/L (96h, Lepomis macrochirus) LC50: =16.7mg/L (96h, Lepomis macrochirus) LC50: =12mg/L (96h, Oncorhynchus mykiss) | -                          | EC50: 36 - 74mg/L (48h, Daphnia magna) EC50: =86mg/L (48h, Daphnia magna) |
| 2-methyl-3-(4-tert.-butylphenyl)-propanal (Lilial) | -  | LC50: 2.2 - 4.6mg/L (96h, Brachydanio rerio)   | -                          | EC50: =10.7mg/L (48h, Daphnia magna)                                      |
| Citral   | EC50: =16mg/L (72h, Desmodosmus subspicatus) EC50: =19mg/L (96h, Desmodosmus subspicatus)  | LC50: 4.6 - 10mg/L (96h, Leuciscus idus)   | -                          | EC50: =7mg/L (48h, Daphnia magna)   |

### Persistence and degradability

**Persistence and degradability** No information available.

**Bioaccumulative potential**

**Bioaccumulation** No information available.

**Component Information**

| Chemical name                                      | Partition coefficient |
|--|-----------------------|
| 1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)        | 2.84 - 3.1            |
| Diethyl phthalate                                  | 2.35                  |
| 2-methyl-3-(4-tert.-butylphenyl)-propanal (Lilial) | 4.2                   |
| Citral   | 2.76                  |

**Mobility**

**Mobility in soil** No information available.

**Other adverse effects**

Contains a known or suspected endocrine disruptor.

| Chemical name     | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances | Endocrine disrupting potential |
|-------------------|--|--|--------------------------------|
| Diethyl phthalate | Group III Chemical                       | -  | -                              |

**13. DISPOSAL CONSIDERATIONS****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. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. TRANSPORT INFORMATION****ADG**

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 D-LIMONENE)  
**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

Transport hazard class(es) D-LIMONENE)  
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 D-LIMONENE)  
Transport hazard class(es) 9  
Packing group III  
IMDG EMS Fire F-A  
IMDG EMS Spill S-F  
Marine pollutant 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

Poisons Schedule (SUSMP) None allocated

**National pollutant inventory**

Subject to reporting requirement

| Chemical name          | National pollutant inventory  |
|------------------------|---|
| d-Limonene - 5989-27-5 | 20 MW Threshold category 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total |

**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.

**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:** 18-Oct-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**