

LIVANI TYPE

Version 5

Revision Date 26.01.2013

Print Date 26.02.2013

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial Product Name : LIVANI TYPE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Fragrance

1.3 Details of the supplier of the safety data sheet

Candle Supply Pty Ltd
Unit 3 8-9 Lagana Place
Wetherill Park, NSW 2164
ABN: 70612899626

Phone Number: 02 8741 4000
e-mail: customerservice@candlesupply.com.au

Emergency telephone number

13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitization, Category 1 H317
Chronic aquatic toxicity, Category 2 H411

Classification (67/548/EEC, 1999/45/EC)

Xi; R43
N; R51/53

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 H411
May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.

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Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/
vapours/ spray.
P272 Contaminated work clothing should not be
allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and
water.
P333 + P313 If skin irritation or rash occurs: Get medical
advice/ attention.

Labelling (67/548/EEC, 1999/45/EC)

Symbol(s) : Xi Irritant
N Dangerous for the environment
R-phrases(s) : R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
S-phrases(s) : S24 Avoid contact with skin.
S37 Wear suitable gloves.
S57 Use appropriate container to avoid environmental
contamination.
S60 This material and its container must be disposed of
as hazardous waste.

2.3 Other hazards

no data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

no data available

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
4-tert-Butylcyclohexyl acetate	32210-23-4 250-954-9	N R51/53	Aquatic Chronic: 2; H411	>= 25 - < 50
1,4-Dioxacycloheptadecane-5,17-dione	105-95-3 203-347-8	N R51/53	Aquatic Chronic: 2; H411	>= 20 - < 25
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2 915-730-3 01-2119489989-04	N; Xi R38 R43 R51/53	Skin Irrit.: 2; H315 Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 5 - < 10
Vanillin	121-33-5 204-465-2	Xi R36	Eye Irrit.: 2; H319	>= 5 - < 10
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5 204-846-3	Xi; N R43 R51/53	Skin Sens.: 1; H317 Aquatic Chronic: 2; H411	>= 1 - < 5

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Undecan-4-olide	104-67-6 203-225-4	N R51/53	not hazardous	>= 1 - < 5
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol ¹⁾	28219-61-6 248-908-8 01-2119529224-45	Xi; N R50/53 R36	Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Eye Irrit.: 2; H319 M-Factor: 1	>= 1 - < 5
[R-(E)]-1-(2,6,6-Triethyl-2-cyclohexen-1-yl)pent-1-en-3-one	127-42-4 204-842-1	Xi; N R43 R51/53	Aquatic Chronic: 2; H411 Skin Sens.: 1; H317 Aquatic Chronic: 2; H411	>= 1 - < 5
1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)pent-1-en-3-one	127-43-5 204-843-7	Xi; N R43 R51/53	Skin Sens.: 1; H317 Aquatic Chronic: 2; H411	>= 0,1 - < 1
[3R-(3.alpha.,3a.beta.a.,7.beta.,8a.alpha.)]-2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene ²⁾	469-61-4 207-418-4	Xn; N R50/53 R65	Asp. Tox.: 1; H304 Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 M-Factor: 10	>= 0,1 - < 1
3-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	79-89-0 201-231-1	Xi; N R43 R51/53	Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 0,1 - < 1
[3R-(3.alpha.,3a.beta.a.,6.alpha.,7.beta.,8a.alpha.)]-Octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-ol	77-53-2 201-035-6	N R51/53	Aquatic Chronic: 2; H411	>= 0,1 - < 1
[3R-(3.alpha.,3a.beta.a.,7.beta.,8a.alpha.)]-Octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene ²⁾	546-28-1 208-898-8	N; Xn R50/53 R65	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 Asp. Tox.: 1; H304 M-Factor: 10	>= 0,025 - < 0,1

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

Acute aquatic toxicity:

¹⁾ 0,1 < L(E)C50 <= 1 mg/l

²⁾ 0,01 < L(E)C50 <= 0,1 mg/l

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air.
- Skin contact : Take off all contaminated clothing immediately.
If skin irritation persists, call a physician.
Wash off immediately with plenty of water for at least 15 minutes.
- Eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Remove contact lenses.

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Ingestion : Clean mouth with water and drink afterwards plenty of water.
Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.
Avoid subsoil penetration.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
- Additional advice : Local authorities should be advised if significant spillages cannot be contained.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Advice on safe handling : Dispose of rinse water in accordance with local and national regulations.
For personal protection see section 8.
- Advice on protection against fire and explosion : When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Fragrance

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

none

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
- Eye protection : Safety glasses
- Skin and body protection : Lightweight protective clothing

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Hygiene measures : Wash hands before breaks and immediately after handling the product.
Protective measures : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form : clear liquid
Colour : colorless to yellow
Odour : characteristic

Safety data

Flash point : > 100 °C
Water solubility : no data available
Relative density : 0,9790 - 0,9890 at 20 °C (relation to density of water at 4°C)
Vapour pressure : < 1 kPa at 50 °C (calculated)
Boiling point : no data available
Melting point/freezing point : no data available
Partition coefficient:
n-octanol/water : no data available
pH : no data available
Viscosity, dynamic : no data available
Viscosity, kinematic : no data available
Evaporation rate : no data available
Flammability (solid, gas) : no data available
Ignition temperature : no data available
Minimum ignition energy : no data available
Auto-ignition temperature : no data available
Oxidizing properties : no data available
Lower explosion limit : no data available
Upper explosion limit : no data available
Conductivity : no data available
Bulk density : no data available
Solubility/qualitative : no data available
Solubility in other solvents : no data available

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Impact Sensitivity : no data available

Burning number : no data available

Relative vapor density : no data available

9.2 Other data

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : no data available

10.2 Chemical stability : no data available

10.3 Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid : no data available

10.5 Incompatible materials to avoid : no data available

10.6 Hazardous decomposition products : no data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity : no data available

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Repeated dose toxicity : no data available

Acute toxicity (other routes of administration) : no data available

Skin irritation : no data available

Eye irritation : no data available

Sensitisation : no data available

Mutagenicity : no data available

Carcinogenicity : no data available

Reproductive toxicity : no data available

Teratogenicity : no data available

Specific target organ toxicity - single exposure : no data available

Specific target organ toxicity - repeated exposure : no data available

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Aspiration toxicity : no data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR : 3082
RID : 3082
IMDG : 3082
IATA-DGR : 3082

14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(4-TERT.-BUTYLCYCLOHEXYLACETATE)
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(4-TERT.-BUTYLCYCLOHEXYLACETATE)
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MP
(4-TERT.-BUTYLCYCLOHEXYLACETATE,ETHYLENE BRASSYLATE)
IATA-DGR : Environmentally hazardous substance, liquid, n.o.s.
(4-TERT.-BUTYLCYCLOHEXYLACETATE)

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14.3 Transport hazard class

ADR : 9
RID : 9
IMDG : 9
IATA-DGR : 9

14.4 Packing group

ADR:
Packaging group : III
Classification Code : M6
Hazard identification No : 90
Labels : 9
Tunnel restriction code : (E)

RID:
Packaging group : III
Classification Code : M6
Hazard identification No : 90
Labels : 9

IMDG:
Packaging group : III
Labels : 9
EmS - EmS : F-A , S-F

IATA-DGR:
Packing instruction (cargo aircraft) : 964
Qty/Pkg (Cargo) : 450,00 L
Packing instruction (passenger aircraft) : 964
Qty/Pkg (Passenger) : 450,00 L
Packaging group : III
Labels : 9MI

14.5 Environmental hazards

ADR:
Environmentally hazardous : yes

RID:
Environmentally hazardous : yes

IMDG:
Marine Pollutant : yes

IATA-DGR:
Environmentally hazardous : yes

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: REGULATORY INFORMATION

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

National legislation

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Risk classification according to BetrSichV (Germany) : Exempt

Water contaminating class (Germany) : WGK 2 (water endangering)
Calculation acc. Annex 4 to VwVwS

15.2 Chemical Safety Assessment

no data available

SECTION 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3:

R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Full text of H-Statements referred to under sections 2 and 3:

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further information

The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Supply Pty Ltd, applies to the product as supplied Candle Supply Pty Ltd, and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does Candle Supply Pty Ltd, assume responsibility for use or reliance upon this data.

This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact customerservice@candlesupply.com.au