

MANGO

Version 4

Revision Date 13.03.2012

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

1.1 Product identifier

Commercial Product Name : MANGO

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

1.4 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 irritation, Category 2	H315
Skin sensitization, Category 1	H317
Aspiration hazard, Category 1	H304
Chronic aquatic toxicity, Category 2	H411

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

Xn; R65
Xi; R43
N; R51/53

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

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Hazard statements : H304
H315
H317
H411
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P273
P280
Response:
P301 + P310
P302 + P352
P331
P333 + P313
Avoid release to the environment.
Wear protective gloves.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
IF ON SKIN: Wash with plenty of soap and water.
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical advice/ attention.

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

Symbol(s) : Xn
N
Harmful
Dangerous for the environment

R-phrase(s) : R43
R51/53
R65
May cause sensitization by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful: may cause lung damage if swallowed.

S-phrase(s) : S24
S37
S57
S60
S62
Avoid contact with skin.
Wear suitable gloves.
Use appropriate container to avoid environmental contamination.
This material and its container must be disposed of as hazardous waste.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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 [%]
Distillates (petroleum), hydrotreated light	64742-47-8 265-149-8	Xn R65	Asp. Tox.: 1; H304	>= 10 - < 20

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Alkanes, C11-15-iso-	90622-58-5 68551-18-8 68551-20-2 292-460-6 271-367-4 271-370-0	Xn R65	Asp. Tox.: 1; H304	>= 5 - < 10
3-p-Cumenyl-2-methylpropionaldehyde	103-95-7 203-161-7	N; Xi R38 R51/53 R43	Aquatic Chronic: 2; H411 Skin Sens.: 1; H317 Skin Irrit.: 2; H315	>= 5 - < 10
(R)-p-Mentha-1,8-diene	5989-27-5 227-813-5	Xi; N R10 R38 R43 R50/53	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Flam. Liq.: 3; H226 Skin Irrit.: 2; H315 Skin Sens.: 1; H317	>= 5 - < 10
Benzyl benzoate	120-51-4 204-402-9	Xn; N R22 R51/53	Acute Tox.: 4 (Oral); H302 Aquatic Chronic: 2; H411	>= 1 - < 5
2-(4-tert-Butylbenzyl)propionaldehyde	80-54-6 201-289-8 01-2119485965-18	Xn; N R22 R43 R51/53 R62 R38	Aquatic Chronic: 2; H411 Skin Irrit.: 2; H315 Repr.: 2; H361 Acute Tox.: 4 (Oral); H302 Skin Sens.: 1; H317	>= 1 - < 5
Undecan-4-olide	104-67-6 203-225-4	N R51/53	not hazardous	>= 1 - < 5
Pentyl acetate	628-63-7 211-047-3	R10 R66	Flam. Liq.: 3; H226	>= 1 - < 5
Allyl 3-cyclohexylpropionate	2705-87-5 220-292-5	Xn R21/22	Acute Tox.: 4 (Oral); H302 Acute Tox.: 4 (Dermal); H312 Skin Irrit.: 2; H315	>= 1 - < 5
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran ²⁾	1222-05-5 214-946-9	N R50/53	Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400	>= 0,1 - < 1
Allyl hexanoate	123-68-2 204-642-4	Xn; N R21/22 R38 R51/53	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Acute Tox.: 3 (Oral); H301 Acute Tox.: 3 (Dermal); H311	>= 0,1 - < 1
cis-2-tert-Butylcyclohexyl acetate	20298-69-5 243-718-1	N R51/53	Aquatic Chronic: 2; H411	>= 0,1 - < 1
2-Benzylideneheptanal	122-40-7 204-541-5	N; Xi R43 R51/53	Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 0,1 - < 1
Geraniol	106-24-1 203-377-1 01-2119552430-49	Xi R38 R41 R43	Skin Irrit.: 2; H315 Eye Dam.: 1; H318 Skin Sens.: 1; H317	>= 0,1 - < 1
7-Hydroxycitronellal	107-75-5 203-518-7	Xi R36 R43	Eye Irrit.: 2; H319 Skin Sens.: 1; H317	>= 0,1 - < 1
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 268-264-1	Xi R36/38 R43 R52/53	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Skin Sens.: 1; H317 Aquatic Chronic: 3; H412	>= 0,1 - < 1

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Allyl heptanoate ¹⁾	142-19-8 205-527-1 01-2119488961-23-000 0	Xn; N R21/22 R50/53 R48/22	Aquatic Acute: 1; H400 STOT RE: 2 (Oral); H373 Acute Tox.: 4 (Oral); H302 Acute Tox.: 3 (Dermal); H311 M-Factor: 1	>= 0,1 - < 1
(E)-1-(2,6,6-Trimethyl-2-cyanoheptyl)-2-butene-1-one	24720-09-0 246-930-4	Xn R43	Acute Tox.: 4 (Oral); H302 Skin Sens.: 1; H317	>= 0,1 - < 1

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 symptoms persist, call a physician.
Wash off immediately with soap and plenty of water.
- Eye contact : Immediately flush eye(s) with plenty of water.
- Ingestion : 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.
If accidentally swallowed obtain immediate medical attention.

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.

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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.

6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Dam 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.

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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 uses

Fragrance

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Alkanes, C11-15-iso-	90622-58-5 68551-18-8 68551-20-2	AGW 600 mg/m ³	07 2009	TRGS 900
(R)-p-Mentha-1,8-diene	5989-27-5	AGW 20 ppm	07 2009	TRGS 900
Pentyl acetate	628-63-7	AGW 50 ppm	06 2008	TRGS 900

Components	CAS-No.	Control parameters	Update	Basis
Pentyl acetate	628-63-7	STEL 100 ppm TWA 50 ppm	2005 2005	EH40 WEL EH40 WEL

Components	CAS-No.	Control parameters	Update	Basis
Pentyl acetate	628-63-7	VLE 100 ppm VME 50 ppm	01 2008 01 2008	INRS (FR) INRS (FR)

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.

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Eye protection	:	Safety glasses
Skin and body protection	:	Lightweight protective clothing
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	:	liquid
Colour	:	yellow to orange
Odour	:	characteristic

Safety data

Flash point	:	68 °C
Water solubility	:	immiscible
Relative density	:	0,8942 - 0,9142 at 20 °C (relation to density of water at 20°C)
Vapour pressure	:	2 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
Autoignition 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

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Solubility/qualitative : no data available
Solubility in other solvents : no data available
Impact Sensitivity : no data available
Burning number : no data available
Relative vapour 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 : Acute toxicity estimate : > 5000 mg/kg, Calculation method
Acute inhalation toxicity : no data available
Acute dermal toxicity : Acute toxicity estimate : > 5000 mg/kg, Calculation method
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

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Specific target organ toxicity : no data available
- single exposure

Specific target organ toxicity : no data available
- repeated exposure

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

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14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(LIMONENE)
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(LIMONENE)
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MP
(LIMONENE,HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN)
IATA-DGR : Environmentally hazardous substance, liquid, n.o.s. (LIMONENE)

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 : 964
aircraft)
Qty/Pkg (Cargo) : 450,00 L
Packing instruction : 964
(passenger aircraft)
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

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SECTION 15: REGULATORY INFORMATION

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

National legislation

Risk classification according : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water to BetrSichV (Germany)

Water contaminating class : WGK 2 (water endangering)
(Germany) 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:

R10	Flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
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.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

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

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
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.
H412	Harmful to aquatic life with long lasting effects.

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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