

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Date of issue: 27/01/2019 Revision date: 27/01/2019 : Version: 1.0

Initial®

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : SWEET MANDARIN
Product code : 573509
Type of product : Fragrances
Registration No
Product form : Mixture

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : An aerosol fragrance for use in Airfresh units by Initial service staff.

1.2.2. Uses advised against

No additional information available

1.3. Supplier's details

Supplier

Rentokil Initial Supplies
Liverpool
L33 7SR
UK

Product advice line: +44 (0)151 548 5050
Email: sds@rentokil.com

National Contact

Rentokil Initial Pty Ltd
Unit A1 Lidcombe Business Park,
3-29 Birnie Avenue
Lidcombe NSW 2141
Australia

Product advice line: 61 2 8719 6264
Email: sds@rentokil.com

1.4. Emergency telephone number

Emergency number : +44 (0)1342 833022

Country	Organisation/Company	Address	Emergency number
	WA Poisons Information Centre (WAPIC)	Sir Charles Gardner Hospital Hospital Avenue, Nedlands, WA 6009	13 11 26
	New South Wales Poisons Information Centre	The Children's Hospital at Westmead Locked Bag 4001, Westmead, NSW 2145	13 11 26
	Victorian Poisons Information Centre	Austin Hospital Studley Road, Heidelberg, Victoria 3084	13 11 26
Australia	Queensland Poisons Information Centre	Royal Children's Hospital Herston Road, Brisbane 4029	13 11 26

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS (Rev. 4, 2011)

Aerosol 1 H222;H229

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to the United Nations GHS (Rev. 4, 2011)

Hazard pictograms (GHS UN) :



GHS02

Signal word (GHS UN) : Danger
Hazard statements (GHS UN) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
Precautionary statements (GHS UN) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

smoking.

P251 - Do not pierce or burn, even after use.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.

P332+P313 - If skin irritation occurs: Get medical advice, medical attention.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS (Rev. 4, 2011)
Butane	(CAS-No.) 106-97-8	25 - 50	Flammable gases, Category 1, H220 Gases under pressure : Compressed gas, H280
Propane	(CAS-No.) 74-98-6	15 - 25	Flammable gases, Category 1, H220 Gases under pressure : Liquefied gas, H280
Ethyl alcohol	(CAS-No.) 64-17-5	10 - 15	Flammable liquids, Category 2, H225 Serious eye damage/eye irritation, Category 2A, H319
1-(3-Methoxypropoxy)propan-1-ol	(CAS-No.) 34590-94-8	3 - 10	Flammable liquids, Category 4, H227
3-Methylbutyl butyrate	(CAS-No.) 106-27-4	1 - 4	Flammable liquids, Category 3, H226 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401
Alkanes, C11-15, iso	(CAS-No.) 90622-58-5	0.1 - 2	Flammable liquids, Category 4, H227 Aspiration hazard, Category 1, H304
Ethyl 2-methylpentanoate	(CAS-No.) 39255-32-8	0.1 - 2	Flammable liquids, Category 3, H226 Skin corrosion/irritation, Category 3, H316
1-Decanal	(CAS-No.) 112-31-2	0.1 - 2	Flammable liquids, Category 4, H227 Skin corrosion/irritation, Category 3, H316 Serious eye damage/eye irritation, Category 2A, H319 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 3, H412
2,6-Dimethylheptan-2-ol	(CAS-No.) 13254-34-7	0.1 - 2	Flammable liquids, Category 4, H227 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2A, H319 Hazardous to the aquatic environment — Acute Hazard, Category 3, H402
Isobutane	(CAS-No.) 75-28-5	1 - 2	Flammable gases, Category 1, H220 Gases under pressure : Liquefied gas, H280
Ethyl 2-methylbutanoate	(CAS-No.) 7452-79-1	0.1 - 0.5	Flammable liquids, Category 3, H226
Hexyl Acetate	(CAS-No.) 142-92-7	0.1 - 0.5	Flammable liquids, Category 3, H226 Skin corrosion/irritation, Category 3, H316 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Name	Product identifier	%	Classification according to the United Nations GHS (Rev. 4, 2011)
Benzyl acetate	(CAS-No.) 140-11-4	0.1 - 0.5	Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 3, H316 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 3, H412
Methyl 2-aminobenzoate	(CAS-No.) 134-20-3	0.1 - 0.5	Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 3, H316 Serious eye damage/eye irritation, Category 2A, H319 Hazardous to the aquatic environment — Acute Hazard, Category 3, H402
2-Ethyl-3-hydroxy-4H-pyran-4-one	(CAS-No.) 4940-11-8	< 0.5	Acute toxicity (oral), Category 4, H302
Hex-3-en-1-yl acetate	(CAS-No.) 3681-71-8	< 0.5	Flammable liquids, Category 3, H226 Skin corrosion/irritation, Category 3, H316
3,7-dimethylnona-2,6-dienitrile	(CAS-No.) 61792-11-8	< 0.5	Flammable liquids, Category 4, H227 Acute toxicity (oral), Category 5, H303 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
Butylated Hydroxytoluene	(CAS-No.) 128-37-0	< 0.5	Skin corrosion/irritation, Category 3, H316 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410
Ethyl acetate	(CAS-No.) 141-78-6	< 0.5	Flammable liquids, Category 2, H225 Serious eye damage/eye irritation, Category 2A, H319 Specific target organ toxicity — Single exposure, Category 3, Narcosis, H336
cis-3-hexenol	(CAS-No.) 928-96-1	< 0.5	Flammable liquids, Category 3, H226 Serious eye damage/eye irritation, Category 2A, H319
Dipentene terpene hydrocarbon by products	(CAS-No.) 68956-56-9	0.1 - 0.5	Flammable liquids, Category 3, H226 Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2A, H319 Skin sensitisation, Category 1, H317 Aspiration hazard, Category 1, H304 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
Ethane	(CAS-No.) 74-84-0	0.01 - 0.1	Not classified
Triethanolamine	(CAS-No.) 102-71-6	0.01 - 0.1	Acute toxicity (oral), Category 4, H302 Skin corrosion/irritation, Category 1, H314

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Name	Product identifier	%	Classification according to the United Nations GHS (Rev. 4, 2011)
2,4-Dimethyl-3-cyclohexene carboxaldehyde	(CAS-No.) 68039-49-6	0.01 - 0.1	Flammable liquids, Category 4, H227 Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 2, H315 Skin sensitisation, category 1B, H317 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
Octanal dimethyl acetal	(CAS-No.) 10022-28-3	0.01 - 0.1	Flammable liquids, Category 4, H227 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2B, H320 Skin sensitisation, category 1B, H317 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
Toluene	(CAS-No.) 108-88-3	< 0.001	Flammable liquids, Category 2, H225 Skin corrosion/irritation, Category 2, H315 Reproductive toxicity, Category 2, H361 Specific target organ toxicity — Single exposure, Category 3, Narcosis, H336 Specific target organ toxicity — Repeated exposure, Category 2, H373 Aspiration hazard, Category 1, H304

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources.
Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butane (106-97-8)		
Australia	TWA (mg/m ³)	1900 mg/m ³
Australia	TWA (ppm)	800 ppm
Ethyl alcohol (64-17-5)		
Australia	TWA (mg/m ³)	1880 mg/m ³
Australia	TWA (ppm)	1000 ppm
1-(3-Methoxypropoxy)propan-1-ol (34590-94-8)		
Australia	TWA (mg/m ³)	308 mg/m ³
Australia	TWA (ppm)	50 ppm
Australia	Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
Toluene (108-88-3)		
Australia	TWA (mg/m ³)	191 mg/m ³
Australia	TWA (ppm)	50 ppm
Australia	STEL (mg/m ³)	574 mg/m ³
Australia	STEL (ppm)	150 ppm
Australia	Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
Butylated Hydroxytoluene (128-37-0)		
Australia	TWA (mg/m ³)	10 mg/m ³
Ethyl acetate (141-78-6)		
Australia	TWA (mg/m ³)	720 mg/m ³
Australia	TWA (ppm)	200 ppm
Australia	STEL (mg/m ³)	1440 mg/m ³
Australia	STEL (ppm)	400 ppm

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
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SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

1-(3-Methoxypropoxy)propan-1-ol (34590-94-8)	
ATE UN (oral)	5152 mg/kg bodyweight
Butylated Hydroxytoluene (128-37-0)	
LD50 oral rat	> 2930 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Butylated Hydroxytoluene (128-37-0)	
LC50 fish 1	> 0.57 mg/l
EC50 Daphnia 1	0.61 mg/l

12.2. Persistence and degradability

SWEET MANDARIN	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

SWEET MANDARIN	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number

UN-No. (ADR) : 1950
UN-No. (IATA) : 1950
UN-No. (IMDG) : 1950
UN-No. (ADN) : 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (ADN) : AEROSOLS
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)

14.3. Transport hazard class(es)

Class (ADR) : 2
Classification code (ADR) : 5F

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Class (IATA) : 2
Class (IMDG) : 2
Class (ADN) : 2
Classification code (ADN) : 5F
Danger labels (ADR) : 2.1,



Division (IATA) : 2.1
Hazard labels (IATA) : 2.1,



Danger labels (IMDG) : 2.1,



Danger labels (ADN) : 2.1,



14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0

14.6.2. Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG) : P207, LP200
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None

14.6.3. Air transport

CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
PCA packing instructions (IATA) : 203
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA max net quantity (IATA) : 75kg
PCA Excepted quantities (IATA) : E0
Special provisions (IATA) : A145, A167, A802

SWEET MANDARIN

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

ERG code (IATA) : 10L

14.6.4. Inland waterway transport

Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1
Carriage prohibited (ADN) : No

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-statements:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

SDS GHS UN

Before using any product, ensure that you read and understand its label.

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Neither Rentokil Initial plc nor any of its subsidiaries accepts any liability for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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