

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** MANDARIN OIL**CAS number:** 84929-38-4**EINECS number:** 284-521-0**INCI name:** Citrus Nobilis Peel Oil**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Flavour and Fragrance.**1.3. Details of the supplier of the safety data sheet****Company name:** Naissance

Unit 9 Milland Road

Industrial Estate

Neath

Neath Port Talbot

SA11 1NJ

Tel: 0800 0430 826**Email:** info@naissance.co.uk**1.4. Emergency telephone number****Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400**Most important adverse effects:** Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.**2.2. Label elements****Label elements:****Hazard statements:** H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H410: Very toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame

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GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P363: Wash contaminated clothing before reuse.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362: Take off contaminated clothing.
P331: Do NOT induce vomiting.
P332+313: If skin irritation occurs: Get medical advice/attention.
P333+313: If skin irritation or rash occurs: Get medical advice/attention.
P302+352: IF ON SKIN: Wash with plenty of water/soap.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: MANDARIN OIL

CAS number: 84929-38-4

EINECS number: 284-521-0

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If irritation persists, seek medical advice.

Eye contact: Bathe the eye with running water for 15 minutes. If irritation persists seek medical advice.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Get medical attention if any discomfort continues

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

Skin contact: Irritant (calculated)

Eye contact: Irritant (calculated)

Ingestion: No data available.

Inhalation: May cause lung damage if ingested (based on calculation from hydrocarbons content)

Delayed / immediate effects: No data available.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Dry chemical powder. Foam. Do not use direct water jet on burning material.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Avoid inhalation of generated fumes of vapours. Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Handle product with adequate gloves. Keep away from affected area non emergency personnel. Avoid skin and eye contact.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash thoroughly after dealing with spillage.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Allow safe handling of substance in order to prevent fires as well as aerosol generation. Do not handle incompatible substances or mixtures. Reduce the release of the substance to the environment. Do not eat or drink. Wash hands before and after use. Remove and wash contaminated clothing before re-use

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep air contact to a minimum. Keep away from incompatible substances.

Suitable packaging: No additional data available.

7.3. Specific end use(s)

Specific end use(s): Raw material for flavour formulations.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Use adequate personal protective equipment, according to Directive 89/686/EEC.

Respiratory protection: In case of inadequate ventilation, use adequate breathing apparatus.

Hand protection: Use chemical resistant gloves Wash and remove gloves after use. Wash hands with water and soap.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Environmental: No additional data available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Orange Red to Yellow.

Odour: Characteristic of the outer part of fresh mandarin peel

Solubility in water: Insoluble

Also soluble in: Most organic solvents.

Flash point°C: 49

Relative density: 0.855

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

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10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Do not expose to high temperatures. Avoid direct flame sources.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon monoxide. Non-identified organic compounds.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RBT	LD50	>2	g/kg
ORAL	RAT	LD50	>4.4	g/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated

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STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: Irritant (calculated)

Eye contact: Irritant (calculated)

Ingestion: No data available.

Inhalation: May cause lung damage if ingested (based on calculation from hydrocarbons content)

Delayed / immediate effects: No data available.

Other information: No additional data available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not determined.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Avoid soil, surface water and eater sources contamination.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of in accordance with local regulations

Disposal of packaging: Do not refill empty packages. Dispose residues in adequate installations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1169

14.2. UN proper shipping name

Shipping name: EXTRACTS, AROMATIC, LIQUID

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14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: Directive 67/548/EEC (Classification, packaging and labelling of dangerous substance).
Directive 99/45/EEC (Classification, packaging and labelling of dangerous preparations).
Directive 98/24/EC (Risks related to chemical agents at work) Directive 2000/39/EC
(Occupational exposure limit values) Directive 2006/8/CE. Regulation (CE) n. Where
applicable, refer to the following regulatory provisions: Directive 82/501/EEC ('Activities
linked to risks of serious accidents') and subsequent amendments. 1999/13/EC (VOC
directive)

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture
by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No
2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H410: Very toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive
and shall be used only as a guide. This company shall not be held liable for any
damage resulting from handling or from contact with the above product.