

MATERIAL SAFETY DATA SHEET
ESSENTIAL OIL – ORANGE (SWEET)



1. Identification of Substance, Preparation and Company

Product Name: Essential Oil – Orange (Sweet)
Company Name: Bathbomb.biz limited
Company Address: 37 Worting Road
Basingstoke
Hampshire
RG21 8TZ
Emergency Phone Number: 01256 474889

2. Composition Information on Ingredients

Chemical Identification: Cold Pressed Orange Oil - Midseason & Valencia
CAS No: 8028-48-6

3. Hazards Identification

Xi Irritant

4. First Aid Measures

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
Eye Exposure: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.
Skin Contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
Ingestion: Rinse mouth out with water. Seek medical advice **immediately**
Others: Take Risk and Safety phrases (section 15) into consideration.



5. Fire Fighting Measures

Extinguishing Media Recommended:	Use CO2, Dry Powder or Foam Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Measures:	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Extinguishing procedures:	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

Personal precautions:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages..
Environmental precautions:	Keep away from drains, soils, surface & ground waters.
Cleaning up methods for spillages:	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe local disposal regulations.

7. Handling and Storage

Precautions in handling:	Apply good manufacturing and industrial hygiene practices ensuring proper ventilation. Do not drink, eat or smoke while handling. Observe good personal hygiene. Avoid contact with skin and eyes.
Storage conditions:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. Do not re-use empty storage containers
Fire protection:	Keep away from ignition sources and naked flame. Take precautions to avoid static discharges in working area.



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8. Exposure Controls / Personal Protection

Respiratory protection:	Avoid breathing product vapour. Apply local ventilation where possible.
Ventilation:	Ensure good ventilation of working area.
Hand protection:	Use chemically resistant gloves if required.
Eye protection:	Wear safety glasses.
Work/Hygiene practices:	Wash hands with soap & water after handling.

9. Physical and Chemical Properties

Colour / Appearance:	Bright and clear yellow to orange liquid.
Odor:	Characteristic odor of the outer part of the fresh, sweet orange peel
Specific Gravity (25°C)	0.842 - 0.846
Refractive Index (20°C)	1.4720-1.4740
Optical Rotation (25°C)	+94° - +99°
Aldehyde, % (as decyl)	1.2 - 2.5
Flash point:	118°F
Boiling Point	349°F
Evaporation Rate	Slow
Water Solubility	Insoluble
Solubility - Benzyl Benzoate	Soluble
Solubility - Glycerine	Insoluble
Solubility - Mineral Oil	Soluble
Solubility - Propylene Glycol	Slightly Soluble
Vapor Density (air=1)	Over 1
Vapor Pressure (20°C)	2mmHg
Percent Volatile by Volume	98%



GAS CHROMATOGRAPHY

COMPOUNDS	GC %
PINENE ALPHA	0,52
PI_NE_NE BETA_	0,02
SABINENE	0,33
CARENE DELTA 3	0,12
MYRCENE	1,92
PELLANDRENE ALPHA	0,04
LIMONENE	94,97
PELLANDRENE BETA	0,27
ALD.C8	0,25
ALD.C9	0,04
ALD.C10	0,25
LINALOC -	0,58
CITRONELLAL	0,03
TERPINEOL ALPHA	0,06
NERAL	0,05
VALENCENE	0,03
GERANIAL	0,09
BETA SINENSAL	0,03
ALPHA SINENSAL	0,02
SUM OF COMPOUNDS	99,62

10. Stability and Reactivity

Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

Decomposition: Carbon dioxide & other non-identified organic compounds may be formed during combustion.

11. Toxicological Information

No data available



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12. Ecological Information

May be toxic to aquatic organisms

13. Disposal Considerations

- Dispose of according to local regulations
- Avoid disposing into drainage systems and into the environment

14. Transport Information

Road (CDGRR):	Not restricted
Air (IATA):	Not restricted
Sea (IMDG)	Not restricted

15. Regulatory Information (According to Directive 1999/45/EC)

Hazards symbol:	Xi Irritant
Risk Phrases:	
Safety Phrases:	S7, Keep container tightly closed S25, Avoid contact with eyes S26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S27, Take off immediately all contaminated clothing S29, Do not empty into drains S35, This material and its container must be disposed of in a safe way S37, Wear suitable protective gloves S46, If swallowed, seek medical advice immediately and show the container or label

16. Other Information

16.1. Packaging

Type	Suitability
Glass:	Yes



16.2. Shelf Life

To be stored in a cool, dry place, in a tightly closed container. Protect from light. When stored within advised conditions, the shelf life of this product is 18 months, after which quality should be checked at 3 monthly intervals.

16.3. QC Requirements

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use..

Should you have any questions relating to the use of this product, please contact bathbomb.biz Ltd either by phone (01256 474889) or by email (fizzy@bathbomb.biz) .

