

MATERIAL SAFETY DATA SHEET

1) IDENTIFICATION OF SUBSTANCE / PREPARATION & COMPANY

PRODUCT NAME: Bergamot Essential Oil

PRODUCT CODE: eobergamot

SUPPLIER: Naturallythinking, 7 High Street, Carshalton, Surrey, SM5 3AP

Emergency Tel No: 020 8773 3803 Emergency Contact: Mr Danny Stanzl

2) COMPOSITION / INFORMATION ON INGREDIENTS

DEFINITION/BOTANICAL ORIGIN: Obtained by pressing the peels of the unripe fruits of Citrus aurantium L. subsp. Bergamia (Risso et Poit) followed by rectification to product and oil that is free from furanocoumarins

H. No: 3301.11	CAS No: 8007-75-8	Status: natural	Country Origin: Italy
CoE No: 137	FEMA: 2153	Additives: none	
FDA: 182.20	IFRA: see section 16	RTECS:	
RIFM: monograph	EINECS: 289-612-9	FCCIV: official	
Application: Aromatherapy, skin care, etc			
INCI name: Citrus bergamia			

3) HAZARDS IDENTIFICATION

R10 Flammable

Xi Irritant

4) FIRST AID MEASURES

Inhalation

Remove from exposure site to fresh air. Keep at rest. Obtain medical attention

Eye Contact

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.

Other

When assessing action take Risk & Safety Phrases into account (section 15)

5) FIRE FIGHTING MEASURES

Extinguishing Media

Use CO2 Dry Powder or Foam type 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 and eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Environment Precautions

Keep away from drains, soils, surfaces and groundwaters

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 state, federal and local disposal regulations.

7) HANDLING AND STORAGE

Precautions in Handling

Apply good manufacturing practice and industrial hygiene practises, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage Conditions

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources and protected from light. Keep air contact to a minimum.

Fire Protection

Keep away from ignition sources and naked flames. Take precautions to avoid static discharges in working area.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection

Avoid breathing product vapour. Apply local ventilation where possible

Ventilation

Ensure good ventilation in working area

Hand Protection

Avoid all skin contact. Use chemically resistant gloves if required

Eye Protection

Use safety glasses

Work / Hygiene Practices

Wash hands with soap & water after handling

9) PHYSICAL AND CHEMICAL PROPERTIES

Colour:	Green to greenish yellow, sometimes with a deposit
Appearance:	Mobile Liquid
Odour:	Pleasant fresh fruity
Flash Point °C :	52-59
Specific Gravity Index at 20°C:	0.870 – 0.888
Refractive Index at 20°C:	1.460 – 1.469
Solubility in 85% Ethanal @ 20°C:	1 +1
Solubility in Vegetable Oils:	Soluble
Solubility in Water:	Insoluble
Typical GC/MS Analysis:	CONTAINS α -THUJENE, α -PINENE, β -PINENE, SABINENE, MYRCENE, LIMONENE, β PHELLADRENE, P-CYMENE, OCTANOL, γ -TERPINENE, LINALOL, DECYL ACETATE, DECANAL, α -TERPINEOL, LINALYL ACETATE, NEROL, NERAL, GERANIAL, α -TERPINYL ACETATE, NERYL ACETATE, β -CARYOPHYLLENE, TRANS- α BERGAMOTENE, GERANYL ACETATE, α -HUMULENE, β -BISABOLENE, NEROLIDOL, CITROPENE, BERGAPTENE, MERANZIN ISOMERS

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

Liable to cause smoke & acid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11) TOXICOLOGICAL INFORMATION

Not a skin sensitiser. Opdyke D.J. (1979) explained the phototoxic effects of Bergamot oil were due to furanocoumarin content (FCT 11, 1032) LD₅₀ orl rat > 5g/Kg

12) ECOLOGICAL INFORMATION

Biodegradability

Data not available

Precautions

Prevent surface contamination of soil, ground & surface water.

13) DISPOSAL CONSIDERATIONS

Avoid disposing to drainage systems and into the environment. Seek expert advice

14) TRANSPORT REGULATIONS

UN 1993: applies
Road (ADR/RID): Class 3 Item 31c
AIR (IATA): Clas 3 Packaging Gp III
SEA (IMDG): Code page 3142 3036-1, Class 3.3
CHIP: See section 15

15) REGULATORY INFORMATION

Hazards: Irritant
Symbols: Xn
Risk Phrases: R10: Flammable liquid, R36/38 Irritating to eyes and skin
Safety Phrases: S24/25 Avoid contact with eyes, S16 Keep away from sources of ignition; No smoking

16) OTHER INFORMATION

Cosmetics Directive 7th Amendment: Restrictions may apply. A source of Citral, Limonene and Linalool listed as sensitisers. Check maximum usage levels for skin care products.

Packaging

Type	Suitability
Glass	Yes
Lacquer lined steel / tin	Yes
Aluminium	Yes
HPPE	No

F/HPDE	Yes
Other Plastic	No

Shelf Life

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

Q.C. 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.