

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Basil Oil**

PRODUCT CODE: **30296**

SUPPLIER: Essential Oils Direct Po Box 161 Oldham OL2 6FA

Emergency Tel No: 0161 633 3952 Emergency Contact: Mr. David Freer.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Definition: Volatile oil obtained by steam distillation of the flowering tops & leaves of *Ocimum basilicum* Linne (Fam. *Labiatae*).

H. No: 3301.29

CAS No: 8015-73-4

Status: natural

CoE No: 308

FEMA: 2119 (Sweet Basil oil only)

Additives: none

FDA: § 182.20

IFRA: not restricted

RTECS:

RIFM: monograph

EINECS: 283-900-8

FCCIV:

INCI name: *Ocimum basilicum* (Basil) Oil

## 3. HAZARDS IDENTIFICATION:

Xn Harmful.

## 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 CO<sub>2</sub>, 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 & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & 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,

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federal & local disposal regulations.

## **7. HANDLING & STORAGE.**

PRECAUTIONS IN HANDLING:	Apply good manufacturing practice & industrial hygiene practices, 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 & protected from light. Keep air contact to a minimum.
FIRE PROTECTION:	Keep away from ignition sources & 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 of 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 & CHEMICAL PROPERTIES.**

COLOUR:	Light yellow
APPEARANCE:	Mobile liquid
ODOUR:	Typical basil, reminiscent of aniseed
FLASH POINT °C:	75
SPECIFIC GRAVITY AT 20°C:	0.905 - 0.955
REFRACTIVE INDEX @ 20°C:	1.487 - 1.515
SOLUBILITY IN VEGETABLE OILS:	Soluble
SOLUBILITY IN WATER:	Insoluble

## **10. STABILITY & 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 & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

## **11. TOXICOLOGICAL INFORMATION.**

High estragole (>10%) containing Basil oil: acute oral LD<sub>50</sub> : 1.4g/Kg *FCT* (1973) 11, 867: D.L.J Opdyke found basil oil to be non-toxic, but methyl chavicol is known heptacarcinogen: see E.C. Miller et al. *Cancer Res.* 43, 1124 (1983). For genotoxicity of Basil & Tarragon oils see F. Tateo et al: *J. Essen Oil Record* 1, 11118 (May-June 1989). (N.B. Basil oils containing high linalol and low estragole contents are the preferred choice of many aromatherapists on reduced toxicity grounds).

## **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.**

Road (ADR/RID):	n/a
AIR (IATA) :	n/a

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SEA (IMDG): n/a  
CHIP: See section 15

**15. REGULATORY INFORMATION.** According to Directive 88/379/EEC

HAZARDS: Harmful  
SYMBOLS: Xn  
RISK PHRASES: R22: Harmful if swallowed  
SAFETY PHRASES: S46 If swallowed seek medical advice immediately and show the container / label

**16. OTHER INFORMATION.**

Cosmetics Directive 7<sup>th</sup> Amendment: Restrictions may apply. A source of Eugenol, Limonene and Linalool, listed as sensitizers. Check maximum usage levels for skin care products.

**PACKAGING:**

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

## Essential Oils Direct Ltd

### DECLARATION OF ALLERGENS

<b>PRODUCT</b>	<b>Basil Oil 30296</b>
<b>SUPPLIED TO</b>	<b>Essential Oils Direct</b>

MATERIAL	CAS NUMBER	TOTAL ALLERGEN INCLUSION LEVEL (%)
AMYL CINNAMAL	122-40-7	-
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-51-6	-
CITRAL	5392-40-5	-

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<b>EUGENOL</b>	<b>97-53-0</b>	<b>0.50</b>
<b>HYDROXYCITRONELLAL</b>	<b>107-75-5</b>	-
<b>ISO EUGENOL</b>	<b>97-54-1</b>	-
<b>AMYL CINNAMYL ALCOHOL</b>	<b>101-85-9</b>	-
<b>BENZYL SALICYLATE</b>	<b>118-58-1</b>	-
<b>CINNAMAL</b>	<b>104-55-2</b>	-
<b>COUMARIN</b>	<b>91-64-5</b>	-
<b>GERANIOL</b>	<b>106-24-1</b>	-
<b>HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE</b>	<b>31906-04-4</b>	-
<b>ANISE ALCOHOL</b>	<b>105-13-5</b>	-
<b>BENZYL CINNAMATE</b>	<b>103-41-3</b>	-
<b>FARNESOL</b>	<b>4602-84-0</b>	-
<b>BUTYLPHENYL METHYLPROPIONAL</b>	<b>80-54-6</b>	-
<b>LINALOOL</b>	<b>78-70-6</b>	<b>1.10</b>
<b>BENZYL BENZOATE</b>	<b>120-51-4</b>	-
<b>CITRONELLOL</b>	<b>106-22-9</b>	-
<b>HEXYL CINNAMAL</b>	<b>101-86-0</b>	-
<b>LIMONENE</b>	<b>5989-27-5</b>	<b>1.00</b>
<b>METHYL 2-OCTYNOATE</b>	<b>111-12-6</b>	-
<b>ALPHA-ISOMETHYL IONONE</b>	<b>127-51-5</b>	-
<b>EVERNIA PRUNASTRI EXTRACT</b>	<b>90028-68-5</b>	-
<b>EVERNIA FURFURACEA EXTRACT</b>	<b>90028-67-4</b>	-

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Jim Flawn  
Technical Manager  
01/09