



## Material Safety Data Sheet

### BLACK PEPPER ORGANIC

Date: September 2014

#### 1. Product and Supplier Description

**Trade Name:** Black Pepper Organic

**INCI:** Piper Nigrum Fruit Oil

**Supplier:**

Aromantic Ltd  
17 Tytler Street  
Forres  
Moray  
IV36 1EL  
Tel: 01309 696900  
Fax: 01309 696911  
Email: [info@aromantic.co.uk](mailto:info@aromantic.co.uk)

**Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.

**Application of the substance / the mixture:** Cosmetic Ingredient.

#### 2. Hazards Identification

##### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed



Xi; Irritant

R38: Irritating to skin.



Xi; Sensitising

R43: May cause sensitisation by skin contact.



N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10: Flammable

**Information concerning particular hazards for human and environment:** The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:** The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008

- The product is classified and labelled according to the CLP regulation.

### Hazard pictograms



GHS02



GHS07



GHS08



GHS09

**Signal word:** Danger.

**Hazard-determining components of labelling:**

- caryophyllene
- d-limonene
- beta-Pinene
- delta-3-Carene

**Hazard statements**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H304 May be fatal if swallowed and enters airways.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P240 Ground/bond container and receiving equipment.  
 P233 Keep container tightly closed.  
 P242 Use only non-sparking tools.  
 P273 Avoid release to the environment.  
 P243 Take precautionary measures against static discharge.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P362 Take off contaminated clothing and wash before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P331 Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.


**2.3 Other hazards**



















**Results of PBT and vPvB assessment**




- **PBT:** Not applicable.
- **vPvB:** Not applicable

**3. Composition and Ingredient Information**

**3.1 Chemical characterization: Mixtures**

<b>Dangerous components:</b>		
CAS: 87-44-5 EINECS: 201-746-1	caryophyllene  Xn R65 .....	20 - 35%

	 Asp. Tox. 1, H304	
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7 RTECS: GW 6360000	d-limonene  Xi R38  Xi R43  N R50/53 R10 .....  Flam. Liq. 3, H226  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; Skin Sens. 1, H317	15 - 25%
CAS: 127-91-3 EINECS: 204-872-5	beta-Pinene  Xn R65  Xi R43  N R50/53 R10 .....  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Sens. 1, H317	5 - 15%
CAS: 13466-78-9 EINECS: 236-719-3	delta-3-Carene  Xn R65  Xi R43  N R51/53 R10 .....  Flam. Liq. 3, H226	5 - 15%

	 Asp. Tox. 1, H304	
	 Aquatic Chronic 2, H411	
	 Skin Sens. 1, H317	

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4. First Aid Measures

### 4.1 Description of first aid measures

#### General information:

- Seek medical treatment in case of complaints.
- Show the package or the label to your doctor.

#### After inhalation:

- Supply fresh air.
- Seek medical treatment in case of complaints.

#### After skin contact:

- Immediately remove any clothing soiled by the product.
- Wash affected area with plenty of water and soap.
- If skin irritation continues, consult a doctor.

#### After eye contact:

- Remove contact lenses.
- Promptly wash eyes with plenty of water while lifting the eye lids at least 15 minutes.
- Seek medical treatment.

#### After swallowing:

- Do not induce vomiting.
- Rinse mouth thoroughly.
- Never give an unconscious person anything through the mouth.

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

- The severity of the symptoms described will vary depending of the concentration and the length of exposure.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- May cause an allergic skin reaction.

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

- No further relevant information available.

## 5. Fire Fighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water.

### 5.2 Special hazards arising from the substance or mixture

- Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

#### Protective equipment:

- Wear self-contained respiratory protective device.
- Wear fully protective suit.

## 6. Measures in case of accidental release

### 6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- Wear necessary protective equipment.
- Avoid contact with eyes and skin
- Avoid breathing vapours.

### 6.2 Environmental precautions

- Do not allow to enter sewers/ surface or ground water.

### 6.3 Methods and material for containment and cleaning up:

- Collect with absorbent, non-combustible material into suitable containers.
- Send for recovery or disposal in suitable receptacles.
- Dispose of the material collected according to regulations.

### 6.4 Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

- The usual precautionary measures are to be adhered to when handling chemicals.
- Ensure good ventilation/exhaustion at the workplace.
- Avoid contact with eyes and skin.
- Smoking, eating and drinking should be prohibited in the application area.
- Wash hands before breaks and at the end of work.

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

- Store only in the original receptacle.
- Keep in cool, dry, ventilated storage and closed containers.
- Keep away from heat.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep container tightly sealed.

**Storage class:** Flammable liquid storage.

### 7.3 Specific end use(s)

- No further relevant information available.

## 8. Exposure Controls/Personal Protection

**Additional information about design of technical facilities:** No further data; see item 7.

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:** The product does not

contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:**

- This is based on data that was valid at the time of writing.
- Use engineering controls to reduce air contamination.

**8.2 Exposure controls**

**Personal protective equipment:**

- **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.
  - Ensure adequate ventilation.
  - Wash hands before breaks and at the end of work.
  - Remove and wash contaminated clothing before re-use.
  - Avoid contact with the eyes and skin.
  - Do not inhale gases / fumes / aerosols.
  - Do not eat, drink or smoke while working.
  - Eyewash and safety shower facilities should be available when handling this product.

**Respiratory protection:**



Certified respiratory protective device recommended.  
NIOSH or European Standard EN 149 approved respirator

**Protection of hands:**



Protective gloves.  
DIN/EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**



Safety glasses  
(EN 166)

**Body protection:** Protective work clothing.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

## General Information

### Appearance:

- **Form:** Liquid.
- **Colour:** According to product specification.

**Odour:** Not determined.

**Odour threshold:** Not determined.

**pH-value:** Not determined.

### Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

**Flash point:** 46 °C

### Ignition temperature:

- **Decomposition temperature:** Undetermined.

**Self-igniting:** Product is not self igniting.

**Danger of explosion:** Not determined.

### Explosion limits:

- **Lower:** Not determined.
- **Upper:** Not determined.

**Vapour pressure:** Not determined.

**Density:** Not determined.

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not determined.

**Solubility in / Miscibility with water:** Not determined.

**Partition coefficient (n-octanol/water):** Not determined.

### Viscosity:

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

## 9.2 Other information

- No further relevant information available.

## 10. Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:** Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- Flammable.

### 10.4 Conditions to avoid

- Avoid heat, flame and other sources of ignition.

### 10.5 Incompatible materials

- Strong oxidizing agents

### 10.6 Hazardous decomposition products

**Fire or high temperatures create:** Toxic gases/vapours.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute toxicity:**



**Primary irritant effect:**

- **on the skin:**
  - Irritant to skin and mucous membranes.
  - May cause allergic skin reaction.
- **on the eye:** No specific health warnings noted.
- **ingestion:** May be fatal if swallowed and enters airways.
- **inhalation:** No specific health warnings noted.

**Sensitization:** Sensitization possible through skin contact.

**Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EU

**Classification Guidelines for Preparations as issued in the latest version:** Irritant.

## 12. Ecological Information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

### 12.2 Persistence and degradability

- No further relevant information available.

### 12.3 Bioaccumulative potential

- No further relevant information available.

### 12.4 Mobility in soil No further relevant information available.

**Additional ecological information:**

#### General notes:

- Very toxic to aquatic life with long lasting effects.
- Avoid transfer into the environment.

### 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 12.6 Other adverse effects

- No further relevant information available.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

**Recommendation:** Dispose of in accordance with Local Authority requirements.

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## 14. Transport Information

### 14.1 UN-Number

ADR, IMDG, IATA UN1169

### 14.2 UN proper shipping name

ADR 1169 EXTRACTS, AROMATIC, LIQUID, ENVIRONMENTALLY HAZARDOUS, special provision 640E

IMDG EXTRACTS, AROMATIC, LIQUID (d-limonene, beta-Pinene), MARINE POLLUTANT

IATA EXTRACTS, AROMATIC, LIQUID

### 14.3 Transport hazard class(es)

ADR, IMDG



**Class 3 Flammable liquids.**

**Label 3**

**IATA**



**Class 3 Flammable liquids.**

**Label 3**

**14.4 Packing group**

**ADR, IMDG, IATA III**

**14.5 Environmental hazards:** Product contains environmentally hazardous substances: d-limonene, beta-Pinene

**Marine pollutant:**

- Yes
- Symbol (fish and tree)

**Special marking (ADR):** Symbol (fish and tree)

**14.6 Special precautions for user**

**Warning:** Flammable liquids.

**Danger code (Kemler):** 30

**EMS Number:** F-E,S-D

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:**

**ADR**

**Limited quantities (LQ):** 5L

**Excepted quantities (EQ)**

- **Code:** E1
- **Maximum net quantity per inner packaging:** 30 ml
- **Maximum net quantity per outer packaging:** 1000 ml

**Transport category:** 3

**Tunnel restriction code:** D/E

**IMDG**

**Limited quantities (LQ):** 5L

**Accepted quantities (EQ):**

- **Code:** E1
- **Maximum net quantity per inner packaging:** 30 ml
- **Maximum net quantity per outer packaging:** 1000 ml

**UN "Model Regulation":** UN1169, EXTRACTS, AROMATIC, LIQUID, special provision 640E, ENVIRONMENTALLY HAZARDOUS, 3, III

## 15. Regulatory Information

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

**mixture**

**Labelling according to Regulation (EC) No 1272/2008**

**Hazard statements:** Please refer section 2.

**National regulations:**

**Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

## 16. Other Information

Safety data sheet according to 1907/2006/EC, Article 31, amended by Regulation (EU) No. 453/2010

**Relevant phrases**

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.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

The information contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.

