

# SAFETY DATA SHEET



Revision date 04-Sep-2020

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Pepper Black Essential Oil

### Other means of identification

**Product Code(s)** E233

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Consumer use

**Restrictions on use** For external use only

### Details of the supplier of the safety data sheet

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## 2. Hazard(s) identification

### 2.1 Classification of the substance or mixture

Flammable Liquids, Category 3  
Aspiration Hazard, Category 1  
Skin Corrosion/Irritation, Category 2  
Skin Sensitization, Category 1  
Serious eye damage/eye irritation, Category 2  
Hazardous to aquatic environment Short term/Acute, Category 1  
Hazardous to aquatic environment Long term/Chronic, Category 1

### 2.2 GHS label elements, including precautionary statements

Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
Danger	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 H319 – Causes serious eye irritation H400 – Very toxic to aquatic life	P102 – Keep out of reach of children P210 – Keep away from flames and hot surfaces. No smoking. P233 – Keep container tightly closed. P240 – Ground/Bond container and receiving equipment. P241 – Use explosion-proof electrical/ventilating/lighting equipment. P242 – Use only non-sparking tools. P243 – Take precautionary measures against static discharge. P280 – Wear protective gloves/eye protection/face protection.	

	H410 – Very toxic to aquatic life with long lasting effects	<p>P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P370 + P378 – In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.</p> <p>P403 + P235 – Store in well-ventilated place. Keep cool.</p> <p>P501 – Dispose of contents/container to an approved waste disposal plant.</p> <p>P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.</p> <p>P331 – Do NOT induce vomiting.</p> <p>P405 – Store locked up.</p> <p>P264 – Wash hands thoroughly after handling.</p> <p>P280 – Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302 + P352 – IF ON SKIN: Wash with plenty of water/soap.</p> <p>P362 + P364 – Take off contaminated clothing and wash it before reuse.</p> <p>P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P272 – Contaminated work clothing should not be allowed out of the workplace.</p> <p>P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362 + P364 – Take off contaminated clothing and wash before reuse.</p> <p>P501 – Dispose of contents/container to an approved waste disposal plant.</p> <p>P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 – If eye irritation persists: Get medical advice/attention.</p> <p>P273 – Avoid release to the environment.</p> <p>P391 – Collect spillage.</p>	
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**2.3 Other hazards that do not result in classification**

May cause skin irritation/allergy. Patch test recommended.

### 3. Composition/information on ingredients

**3.1 Composition**

Chemical Name (common name)	CAS# TSCA	CAS# EINECS	ICSC#	RTECS#	UN#	EINECS#	% by weight
Black Pepper Oil	8006-82-4	84929-41-9	N/A	N/A	1169	284-524-7	100 %
EU Allergens:							
Citronellol	106-22-9	N/A	N/A	N/A	N/A	N/A	0.01 – 0.5 %
Limonene	138-86-3	N/A	N/A	N/A	N/A	N/A	10 – 27 %
Linalool	78-70-6	N/A	N/A	N/A	N/A	N/A	0 – 1.5 %
Prop 65:							
Myrcene	123-35-3	N/A	N/A	N/A	N/A	N/A	1.5 – 9 %

### 4. First-aid measures

**4.1 Description of necessary first-aid measures (of Substance)****Eye contact:**

Check for and remove any contact lenses. Flush with water for 15 minutes. If symptoms persist get medical attention.

**Skin Contact:**

No harmful effect with normal skin. If skin irritation does occur, wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**Inhalation:**

Not likely to occur under normal conditions of use. If symptoms occur, move to fresh air and obtain medical advice.

**Ingestion:**

Not an expected route of exposure. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with milk or water and consult a doctor. Keep the exposed person at rest. Do NOT force vomiting unless directed to do so by medical personnel. Seek immediate medical attention and show the Substance's label to medical personnel.

**4.2 Most important symptoms and effects, both acute and delayed (of Substance)****Eye contact:**

May cause eye irritation and corneal damage if not immediately rinsed out.

**Skin Contact:**

Repeated contact may cause allergic dermatitis.

**Inhalation:**

Breathing high concentrations of vapor may cause anesthetic effects.

**Ingestion:**

Not an expected route of exposure.

**4.3 Indication of any immediate medical attention and special treatment needed (of Substance)**

None known.

## 5. Fire-fighting measures

**5.1 Flash point**

43°C

**5.2 Extinguishing media**

*Suitable extinguishing media:* sprayed water or water mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide (CO<sub>2</sub>)

*Unsuitable extinguishing media:* water jet (straight stream).

**5.3 Specific hazards arising from the chemical**

None known.

**5.4 Special protective actions for firefighters**

Use self-contained breathing apparatus and protective clothing.

## 6. Accidental release measures

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

Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8.

**For fire-fighters:**

Fire-fighters will be equipped with suitable personal protective equipment (See Section 8). High temperature may increase the pressure inside the container—cool the container by sprinkling water. Avoid breathing emitted vapors.

**6.2 Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

**6.3 Methods and material for containment and cleaning up**

Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers.

## 7. Handling and storage

**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Avoid inhalation. Ensure good ventilation or exhaust in workplace. Do not allow contact with eyes. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

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

Store in closed glass containers, away from heat, light and other sources of ignition. Store in cool area.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

OSHA TWA: None established  
OSHA STEL: None established  
ACGIH TWA: None established  
ACGIH STEL: None established  
NOHSC TWA: None established  
NOHSC STEL: None established

### 8.2 Appropriate engineering controls

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

### 8.3 Individual protection measures

#### Personal protective equipment:

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place away from the work area. Never eat, drink, or smoke during use. Remove and wash contaminated clothing before re-using.

#### Eye/face protection:

Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.

#### Hand protection:

Wear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact.

Type of gloves recommended: Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) or PVA (Polyvinyl alcohol).

**Body protection:** Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.



## 9. Physical and chemical properties

**Physical state:** Transparent liquid

**Color:** Colorless to pale yellow/green

**Odor:** Sharp, stimulating and spicy, the aroma of freshly ground pepper

**Miscibility in water:** Insoluble

**Miscibility in alcohol:** Soluble

**Miscibility in essential oil:** Soluble

**Liposolubility:** Soluble

**pH:** Not applicable

**Boiling point/boiling range:** Not specified

**Flash Point:** 43°C

**Vapor pressure:** Not specified

**Evaporation rate:** Not specified

**Density @ 20°C:** 0.867 - 0.882

**Water solubility:** Insoluble

**Self-ignition temperature:** Not specified

**Decomposition point/decomposition range:** Not specified

**Refractive index @ 20°C:** 1.475 – 1.490

**Partition coefficient:** Not specified

**Specific gravity @ 20 °C:** 0.864 – 0.884

## 10. Stability and reactivity

### 10.1 Reactivity

Not reactive.

**10.2 Chemical stability**

This substance is stable under the recommended handling and storage conditions in Section 7.

**10.3 Possibility of hazardous reactions**

When exposed to high temperatures, the substance may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide.

**10.4. Conditions to avoid**

None known.

**10.5 Incompatible materials**

Alkali metals, ammonia, oxidizing agents, peroxides strong inorganic acids.

**10.6 Hazardous decomposition products**

The thermal decomposition may release/form carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

**11. Toxicological information****11.1 Substance****Acute toxicity:**

No data available.

**Skin corrosion/irritation:**

May be irritating to skin.

**Serious eye damage/irritation:**

May be irritating to eyes. Prompt rinsing and removal of the substance will avoid damage.

**Respiratory sensitization:**

Breathing high concentrations of vapor may cause anesthetic effects.

**Germ cell mutagenicity:**

Not specified

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:**

Not specified

**STOT-single exposure:**

Not specified

**STOT-related exposure:**

Not specified

**Aspiration hazard:**

Not specified

**11.2 Information on the likely routes of exposure**

Skin/scalp contact.

**11.3 Symptoms related to the physical, chemical, and toxicological characteristics**

None known. Irritation of the eye if exposed. Redness of the skin if irritated.

**11.4 Delayed and immediate effects and also chronic effects from short-term and long-term exposure**

Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system.

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

**11.6 Interactive effects**

Not specified

**11.7 Where specific chemical data are not available**

Not specified

**11.8 Substances**

Not specified

**11.9 Substances verses ingredient information**

Not specified

**11.10 Other Information**

None

## **12. Ecological information**

**12.1 Info summary of Ecological information**

Balance of data on substance as a whole, not determined.

**12.2 Eco toxicological properties of specific substances**

See each category below for specific substances

**12.3 Toxicity****Acute fish toxicity:**

LC50 / 96 HOUR – No data available

Toxicity to aquatic plants – No data available

Toxicity to microorganisms – No data available

Toxicity threshold – No data available

**12.4 Persistence and degradability**

Biodegradation is expected

**12.5 Bio-accumulative potential**

Bioaccumulation is unlikely

**12.6 Mobility in soil**

Unknown

**12.7 Other adverse effect**

Avoid exposure to marine environments and waterways

## **13. Disposal considerations**

**13.1 Waste treatment methods**

Do not pour into drains or waterways. Observe all federal, state, and local environmental regulations. Member State-specific and Community-specific provisions must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewater. In extreme situations, contact a licensed professional waste disposal service to dispose of this material.

**Waste:**

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. Waste management is carried out without endangering human health, without harming the environment, and in particular without risk to water, air, soil, plants, or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**Soiled packaging:**

Empty all containers completely. Keep label(s) on every container. Give to a certified disposal contractor.

## 14. Transport information

### 14.1 UN Number

UN 1169

### 14.2 UN Proper shipping name

Extracts, aromatic, liquid

### 14.3 Transportation hazard classes



Class 3

### 14.4 Packing group, if applicable

III

### 14.5 Environmental hazards



Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

### 14.6 Special precautions for user



Danger



Warning

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78\* and IBC Code

Not specified

### 14.8 Additional transport information

Not specified

## 15. Regulatory information

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

Country	Notification
Canada	Not regulated
EU	See EU Allergens in Section 3
Hong Kong	Not regulated
Singapore	Not regulated
USA	<b>California Prop. 65 Components</b> This product contains chemicals known to the State of California to cause cancer, birth defects, and/or reproductive harm. See Section 3 for details.

## 16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision	Date	Prepared By	Reviewed By
R.1	June 2015	H. Merrill	K. Goelz
R.2	24 September 2015	C. Berryhill	
R.3	November 8 2016	MEBB	
R.4	September 25 2017	MEBB	
R.5	October 23 2017	MEBB	
R.6	March 27 2019	L. Bonaventura	
R.7	April 23 2020	L. Bonaventura	