



Material Safety Data Sheet

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Black Pepper Essential Oil

CAS #: 8006-82-4

EINECS #: 284-524-7



SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions

Address: 1405 W 820 N, Provo, UT, 84601

Telephone No: 801-872-9500

24 HOUR EMERGENCY TELEPHONE NUMBER: (800) 222-1222 POISON CONTROL

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 3
Skin Corrosion/Irritation 2
Sensitization - Skin 1
Acute Hazard 1
Aquatic Chronic Environment 1

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Danger

Hazard Pictograms:



Hazard Statement:

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

Precautionary Statement:

- P210 Keep away from heat/sparks/open flames/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
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 Wash ... thoroughly after handling
- P272 Contaminated work clothing must not be allowed out of the workplace
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection



P301+P310 If swallowed: Immediately call a poison center/doctor/...
 P303+P352 If on skin: Wash with plenty of water/...
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P331 Do NOT induce vomiting
 P332+P313 If skin irritation occurs: Get medical advice/attention
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention
 P362+P364 Take off contaminated clothing and wash it before reuse
 P363 Wash contaminated clothing before reuse
 P370+P378 In case of fire: Use ... to extinguish
 P391 Collect spillage
 P403+P235 Store in a well-ventilated place. Keep cool
 P405 Store locked up
 P501 Dispose of contents/container to ...

SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: No additional information available.

SECTION 3. COMPOSITION

Product Name	CAS #	EC#	Concentration
Black Pepper	8006-82-4	284-524-7	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact: Wash thoroughly with soft, clean water for 15 minutes holding eye lids open.
 Inhalation: Remove person to fresh air and keep comfortable for breathing.
 Ingestion: Do not give patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with lukewarm water and consult a doctor. Do not induce vomiting. Obtain emergency medical attention.
 Skin Contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Take off contaminated clothing and wash it before reuse. Watch out for any remaining product between skin and clothing, watches, shoes, etc. If skin irritation or rash occurs: Get medical advice/attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted, or the patient transferred to hospital.

SECTION 4.2 SYMPTOMS

Eye Contact: Irritation.
 Inhalation: Risk of lung oedema.
 Ingestion: No additional information.
 Skin Contact: May cause an allergic skin reaction.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment: Treat symptomatically.



SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media: Carbon Dioxide. Dry Powder. Foam. ABC-Powder. BC-Powder.
Unsuitable Extinguishing media: Water Jet.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical: Fire hazard: Flammable liquid and vapor.
Reactivity: In the event of a fire, carbon monoxide can be formed. In the event of a fire, carbon dioxide may be formed.

SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Protection during firefighting: No additional information available.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Do not breathe smoke. Ventilate spillage area. Avoid contact with eyes. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Protective equipment: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required.
Environmental Precautions: Prevent entry to sewers and public waters. Avoid release to environment.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up: Collect spillage. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Clean preferably with a detergent - Avoid the use of solvents. Dispose of materials or solid residues at an authorized site.

SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling: Provide good ventilation in process area to prevent formation of vapor. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Vapors are heavier than air. The can spread along the ground and form mixtures that are explosive with air. Do not inhale vapor.

SECTION 7.2 CONDITIONS FOR SAFE STORAGE



Conditions for safe storage: Keep away from food and drink, including for animals. Store in a well-ventilated place. Keep container tightly sealed. Avoid the build-up of electrostatic charge. Always keep in packaging made of an identical material to the original. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS

PEL, ACGIH, TLV exposure limit: No additional information available.

Appropriate engineering controls: Showers. Eyewash stations. Ventilation systems.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

Eye/Face Protection: Safety goggles.

Hand Protection: Protective gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Exposure Control: Avoid release to the environment.

SECTION 8.3 ADDITIONAL INFORMATION

Other: Ensure good ventilation of the work station.

SECTION 9.1 PHYSICAL PROPERTIES

Appearance: Thin colorless to pale greenish yellow liquid.

Odor: Middle note with a medium aroma, Black Pepper Essential Oil has a sharp, spicy scent faintly reminiscent of Clove.

Odor Threshold: No data available.

Physical State: Liquid.

SECTION 9.2 CHEMICAL PROPERTIES



pH: No data available.
Melting Point/Freezing Point: No data available.
Boiling Point: No data available.
Flash Point: < 45° C
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Explosive limits: No data available.
Vapor Pressure: 175 - 300 kPa
Vapor Density: No data available.
Specific Gravity: 0.864 – 0.884 @ 25° C (77° F)
Solubility: Insoluble.
Partition coefficient:
(n-octanol/water) No data available.
Autoignition Temp: No data available.
Decomposition Temp: No data available.
Viscosity: No data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: In the event of a fire, carbon monoxide can be formed. In the event of a fire, carbon dioxide may be formed.
Chemical Stability: Stable under normal conditions.
Hazardous Reactions: No dangerous reactions known under normal conditions of use.
Incompatible Materials: No additional information available.
Hazardous Combustion
or Decomposition Products: No additional reaction available.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation: Risk of lung oedema.
Skin Contact: Irritation. May cause an allergic skin reaction.
Eye Contact: Irritation.
Ingestion: Risk of lung oedema.

SECTION 11.2 RELATED SYMPTOMS

Inhalation: Refer to section 4.2
Skin Contact: Refer to section 4.2
Eye Contact: Refer to section 4.2
Ingestion: Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION



Delayed/Chronic Effects: May cause allergic reactions on skin, may result in difficulty breathing.
Toxicity: No additional information available.
Carcinogenic: Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity: General: Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.
Water: The product must not be allowed to run into drains or waterways.
Persistence and Degradability: No additional information available.
Bio-accumulative: No additional information available.
Mobility in Soil: No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects: No known effects from this product.

SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method: Do not contaminate ground and surface water. Disposal must be done according to official regulations.
Contaminated Packaging Disposal Method: Avoid release to the environment. Empty container completely. Keep label on container. Flammable vapors may accumulate in the container.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land): Not regulated
IATA Shipping (Air): Not regulated
IMDG Shipping (Boat): Regulated Marine Pollutant: Yes
Proper Shipping Name: Extracts, Aromatic, Liquid
UN #: 1169
Hazard Class: 3
Packaging Group: III

SECTION 15. REGULATORY INFORMATION

US Federal Regulations: Listed on the United States TSCA (Toxic Substances Control Act) inventory.
International Regulations: No additional information available.

SECTION 16. OTHER INFORMATION



Health Hazard (HMIS): 2 Moderate Hazard
Flammability Hazard (HMIS): 2 Moderate Hazard
Physical Hazard (HMIS): 0 Minimal Hazard
Sara 313: None
California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm per the Safe Drinking Water and Enforcement Act of 1986.

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