

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Name:** Black Pepper Essential Oil
Product Code: 302-121X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, Utah 84321 - United States of America
T 435.755.0863 - F 435.755.2108
www.TheSage.com
- 1.4 Emergency Telephone Number**
No additional information available.

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Flammable Liquids, Category 3	H226: Flammable liquid and vapor.
Acute Oral Toxicity, Category 5	H303: May be harmful if swallowed.
Aspiration Toxicity, Category 1	H304: May be fatal if swallowed and enters airways.
Acute Dermal Toxicity, Category 5	H313: May be harmful in contact with skin.
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation.
Skin Sensitization, Category 1	H317: May cause an allergic skin reaction.
Eye Damage/Irritation, Category 2	H319: Causes serious eye irritation.
Acute Aquatic Toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic Aquatic Toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 GHS Label Elements, Including Precautionary Statements

Symbols:



Signal Word: Danger.

Hazard Statements

H226	Flammable liquid and vapor.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280	Wear eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see supplemental instructions on this label)
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

2.3 Hazards Not Otherwise Classified (HNOC) and Other Information

No information available.

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Chemical Name	CAS-No.	EC-No.	Weight %	Classification
Pinenes	80-56-8	201-291-9	30-50%	H226; H303; H304; H316; H317; H400; H410
Limonene	5989-27-5	227-813-5	20-30%	H226; H304; H316; H317; H400; H410

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Advice: Immediately medical attention is required. Show this material safety data sheet to the doctor in attendance. If symptoms persists, call a physician.

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion: Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.

Self Protection of the First Aider: Remove all sources of ignition. Use personal protective equipment.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Main Symptoms: No information available.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable: Use dry chemical, Carbon Dioxide (CO²), alcohol-resistant foam.

Unsuitable: Do not use solid water stream as it may scatter and spread fire.

5.2 Special Hazards Arising from the Substance or Mixture

None.

5.3 Protective Equipment and Precautions for Firefighters

As in any fire, wear a self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3 Methods and Material for Containment and Cleaning Up

- Containment:** Prevent further leakage or spillage if safe to do so.
- Cleaning Up:** Dam up. Use personal protective equipment. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled container. Take precautionary measure against static discharge.

SECTION 7: Handling and Storage
--

7.1 Precautions for Safe Handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Use personal protective equipment as required. Do not breath dust/fume/gas/mist/vapors/spray. Keep away from heat, sparks, and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition or organic vapors).

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep away from heat and sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Keep in properly labeled container.

Incompatible Products: None known based on information supplied.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Guidelines:

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	European Union	Finland	Portugal	Spain	Germany
Pinenes 80-56-8			TWA: 20 ppm	VLA-ED: 20 ppm VLA-ED: 113 mg/m ³	
Limonene 5989-27-5		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³			MAK: 220 ppm MAK: 110 mg/m ³ Ceiling/Peak: 40 ppm Ceiling/Peak: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³

Chemical Name	Austria	Sweden	Switzerland	Poland	Norway
Pinenes 80-56-8		25 ppm NGV 150 mg/m ³ NGV			TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL: 37.5 ppm STEL: 175 mg/m ³
Limonene 5989-27-5			STEL: 40 ppm STEL: 220 mg/m ³ MAK: 20 ppm MAK: 110 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³

8.2 Exposure Controls

Engineering Controls:

Ensure adequate ventilation, especially in confined areas.

8.3 Personal Protective Equipment

Eye/Face Protection:	Tightly fitting safety goggles
Skin and Body Protection:	Protective gloves. Antistatic boots. Wear fire/flame resistant/retardant clothing. Long sleeved clothing. Chemical resistant apron.
Respiratory Protection:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations:	When using, do not eat, drink or smoke. Wash contaminated clothing before reuse.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State @ 20°C:	Liquid
Appearance:	Clear
Odor:	Black pepper
Odor Threshold:	No information available
Color:	Colorless or yellowish
pH:	No information available
Melting Point/Range:	No information available
Freezing Point:	No information available
Initial Boiling Point:	No information available
Boiling Point/Range:	No information available
Flash Point:	122°F / 50°C
Evaporation Rate:	No information available
Flammability Limits in Air:	No information available
Explosive Properties:	No information available
Oxidizing Properties:	No information available
Vapor Pressure @ 20°C:	No information available
Vapor Density:	No information available
Specific Gravity @ 20°C:	0.867-0.887
Specific Gravity @ 25°C:	0.8640-0.8840
Refractive Index:	1.4790-1.4880
Water Solubility:	No information available
Solubility:	No information available
Partition Coefficient:	No information available
Autoignition Temperature:	No information available

Decomposition Temperature: No information available
Viscosity, Dynamic: No information available
Molecular Weight: No information available
VOC Content: 60

SECTION 10: Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

Heat, flames and sparks.

10.5 Incompatible Materials

None known based on information supplied.

10.6 Hazardous Decomposition Products

None under normal use conditions.

SECTION 11: Toxicological Information

11.1 Information on Likely Routes of Exposure

Inhalation:	There is no data available for this product.
Eye Contact:	There is no data available for this product.
Skin Contact:	There is no data available for this product.
Ingestion:	There is no data available for this product.
Acute Toxicity:	40% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated bases on Chapter 3.1 of the GHS document.

Oral:	2,685.00 mg/kg
Dermal:	3,077.00 mg/kg

Chemical Name	Oral LD50	Dermal LD50
Pinenes	2100 mg/kg (Rat)	5000 mg/kg (Rat)
Limonene	4400 mg/kg (Rat)	2000 mg/kg (Rabbit)

Skin Corrosion/Irritation:	No information available.
Eye Damage/Irritation:	No information available.
Sensitization:	No information available.
Germ Cell Mutagenicity:	No information available.
Carcinogenicity:	No information available.
Specific Target Organ Systemic Toxicity (Single Exposure):	No information available.
Specific Target Organ Systemic Toxicity (Repeated Exposure):	No information available.
Target Organ Effects:	No information available.
Aspiration Hazard:	No information available.

SECTION 12: Ecological Information

12.1 Ecotoxicity

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Pinenes		0.28: 96 h Pimephales promelas mg/L LC50 static	41: 48 h Daphnia magna mg/L LC50
Limonene		0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative Potential

No information available.

Chemical Name	log Pow
Pinenes	4.1

12.4 Mobility in Soil

No information available.

12.5 Results of PBT and vPvB Assessment

No Information available.

12.6 Other Adverse Effects

No information available.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Waste Disposal Methods:

Dispose of in accordance with local regulations.

Contaminated Packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

14.1 Transport Information

DOT

Not regulated.

IMDG/IMO

Proper Shipping Name:

FLAMMABLE LIQUID, N.O.S. (PINENES)

Hazard Class:

3

UN/ID Number:

1993

Packing Group:

III

Marine Pollutant:

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

ICAO/IATA

UN/ID Number:	1993
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (PINENES)
Hazard Class:	3
Packing Group:	III
ERG Code:	128
Marine Pollutant:	P

SECTION 15: Regulatory Information

15.1 International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substance

IECSC - China Inventory of Existing chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Phillipines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

SECTION 16: Other Information

16.1 Full Text of H-Statements Referred to Under Section 2 and 3

H226: Flammable liquid and vapor.	H303: May be harmful if swallowed.
H304: May be fatal if swallowed and enters airways.	H316: Causes mild skin irritation.
H400: Very toxic to aquatic life.	H317: May cause an allergic skin reaction.
	H410: Very toxic to aquatic life with long lasting effects.

WARNING/DISCLAIMER:

This ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-Cigarettes"). In supplying this ingredient, Majestic Mountain Sage instructs, and by receiving the ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.

Notes:

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.