SAFETY DATA SHEET

Black Pepper Essential Oil | Piper nigrum L.

1. IDENTIFICATION

Product identifier	Black Pepper Essential Oil
CAS / EC	8006-82-4 / 284-524-7
Use	Fragrance ingredient; industrial use
Distributor	Veriscents, 30 N Gould Street, Sheridan, WY 82801
Regulatory Contact	877-863-7700
24-hour medical exposure	U.S. Poison Control: 800-222-1222
Hazardous-materials incident contact	HazmatLine | +1 (813) 742-5152 | support@hazmatline.com

2. HAZARDS IDENTIFICATION

Classification (source EU CLP)	Flammable Liquid 3; Aspiration Hazard 1; Skin Irritation 2; Skin Sensitization 1B; Aquatic Chronic 2
Signal word	DANGER
Pictograms	GHS02 (flame); GHS07 (exclamation mark); GHS08 (health hazard); GHS09 (environment)
Hazard statements	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. H411 Toxic to aquatic life with long lasting effects.
Precautions	Keep away from ignition sources. Keep container tightly closed. Ground/bond equipment. Avoid skin contact and environmental release. IF SWALLOWED: Immediately call Poison Control/doctor; do NOT induce vomiting. Store cool in a well-ventilated area.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Piper nigrum L. essential oil (CAS 8006-82-4)
Source-reported components	Beta-caryophyllene 20.001-50%; d-limonene 20.001-50%; beta-pinene 10.001-20%; alpha-pinene 10.001-20%; delta-3-carene 5.001-10%; eucalyptol 1.001-5%; myrcene 1.001-5%; p-cymene 0.101-1%; terpinolene 0.101-1%; linalool 0.101-1%. These are source SDS ranges, not batch assay results.

4. FIRST-AID MEASURES

Inhalation	Move to fresh air; obtain medical advice.
Skin	Wash immediately with soap and water; seek medical attention if irritation persists.
Eyes	Rinse cautiously with running water for several minutes; consult physician if symptoms persist.
Ingestion	Aspiration hazard: seek immediate medical help / call Poison Control. Do not induce vomiting.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, sand, dry extinguishing powder.
Unsuitable	Full water jet; source advises not to use water as extinguishing agent.
Hazards / protection	Toxic gases may form on heating or combustion. Avoid inhaling combustion gases; cool threatened containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear PPE; exclude unprotected persons; ventilate; remove ignition sources.
Environmental	Prevent entry to sewers, waterways and soil. Notify authorities if released to waterways.
Cleanup	Contain/collect safely; dispose as regulated waste.

7. HANDLING AND STORAGE

Handling	Ensure good ventilation; keep away from heat, sparks, sunlight and ignition sources. Prevent static discharge.
Storage	Tightly sealed approved containers, cool and well ventilated; prevent leaks into soil.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No workplace monitoring limits specified in source SDS.
PPE	Chemical-resistant protective gloves; safety glasses; impervious clothing/boots. Respiratory protection if ventilation is insufficient.
Hygiene	Avoid skin contact; remove contaminated clothing; wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

State / color / odor	Liquid; pale yellow to pale blue-green; spicy odor
Flash point	49.0 °C (NFT 60-103 closed cup)
Relative density	0.8650-0.8900 (D20/20)
Kinematic viscosity	6.00 mm²/s at 40 °C
Other properties	Boiling point, vapor pressure, water solubility, pH and several other parameters not determined in source SDS.

10. STABILITY AND REACTIVITY

Hazardous reactions	No dangerous reactions known in source SDS.
Reactivity, incompatibilities, decomposition	Not further determined in source SDS; avoid heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

Key hazards	Causes skin irritation; may cause allergic skin reaction; may be fatal if swallowed and enters airways.
Selected constituent oral LD50 values	Beta-caryophyllene >5000 mg/kg (rat); limonene 4400 mg/kg (rat); delta-3-carene 4800 mg/kg (rat); eucalyptol 3849 mg/kg (mouse); linalool 2790 mg/kg (rat).
Other endpoints	Additional product-level toxicology data not determined in source SDS.

12. ECOLOGICAL INFORMATION

Aquatic effects	Toxic to aquatic organisms, with long-lasting effects. Avoid environmental release.
PBT / vPvB	Source reports not applicable.
Other endpoints	Persistence, bioaccumulation and mobility: no further relevant data in source SDS.

13. DISPOSAL CONSIDERATIONS

Waste treatment	Dispose of contents and contaminated packaging through approved waste channels in accordance with applicable regulations; do not release to drains.

14. TRANSPORT INFORMATION

Source transport classification	UN 1993, FLAMMABLE LIQUID, N.O.S. (PIPER NIGRUM L.), Class 3, Packing Group III
Modes	ADR / IMDG / IATA per supplied European SDS.

Marine pollutant	Yes, per source SDS.
Transport emergency	HazmatLine: +1 (813) 742-5152 | support@hazmatline.com
U.S. shipping	Shipment classification, exceptions, emergency telephone coverage and response arrangements must be verified under applicable U.S. DOT requirements before tendering regulated shipments.

15. REGULATORY INFORMATION

Regulatory basis	Source SDS prepared under EU REACH / CLP; EU REACH Annex XVII restrictions 3 and 40 reported.
U.S. regulatory status	A U.S.-specific OSHA/HCS and other federal/state regulatory review has not been independently established by the supplied EU SDS.

16. OTHER INFORMATION

Veriscents document date	22 October 2026
Version	1.0
Technical source revision	18 June 2025
Scope	Applies to the Black Pepper Essential Oil described by the supplied source SDS; not necessarily to other origins, blends or dilutions.