



MATERIAL SAFETY DATA SHEET

1 – PRODUCT IDENTIFICATION

Product Name: Garlic Oil

CAS: 8000-78-0

Supplier: Yunnan Summit Biotechnology Co., Ltd

Address: Shuangbai County Industrial Park, Shuangbai County Chuxiong State, Yunnan Province, P.R.China

Tel: +86-878-7715967

2– HAZARDS IDENTIFICATION

2.1 GHS Classification

Flammable liquids(Category 3), H226

Acute toxicity - Oral(Category 4), H302

Skin corrosion/irritation(Category 2), H315

Skin sensitization(Category 1), H317

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Warning
Hazard statement	H226 flammable liquid and vapour H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction
Prevention	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. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].



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	P370+P378 In case of fire: Use ... to extinguish. P301+P317 IF SWALLOWED: Get medical help. P330 Rinse mouth. P301+P352 IF ON SKIN: Wash with plenty of water/... P321 Specific treatment (see ... on this label). P332+P317 If skin irritation occurs: Get medical help. P362+P364 Take off contaminated clothing and wash it before reuse.
Storage	P403+P235 Store in a well-ventilated place. Keep cool.
Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified(HNOC) or not covered by GHS

No data available

3 – COMPOSITION

Component	CAS	Weight(%)
Garlic Oil	8000-78-0	100

4– FIRST AID MEASURES

General information Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Inhalation

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion

Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the

recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

Skin Contact

It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or

recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact



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Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart.
Continue to rinse for at least 10 minutes.

5– FIREFIGHTING MEASURES

Extinguishing media

The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Specific Hazards Arising from the Chemical

Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapors may be ignited by a spark, a hot surface or an ember. Vapors may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard. This product is toxic.

Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7 – HANDLING AND STORAGE

Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff



containers or incompatible materials.

8 -PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal Protection: Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. Exposure Limits: Not available.

9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Yellow to orange red liquid, reddish brown; may darken upon aging

ODOR DESCRIPTION: Characteristic strong, pungent, garlic odor.

BOILING POINT: Not applicable

VAPOR PRESSURE (mm Hg @ 20 C): Not found

VAPOR DENSITY (AIR = 1): Not found

SPECIFIC GRAVITY @ 25 C (WATER = 1): 1.060- 1.105

SOLUBILITY IN WATER: Insoluble

10 - STABILITY AND REACTIVITY

Reactivity: no data available.

Stability: Stable under recommended storage conditions.

Incompatibility with various substances: no data available.

Corrosively: No information available.

Conditions to avoid: no data available.

Special Remarks on Corrosively: Not available.

Polymerization: Will not occur.

11 – TOXICOLOGICAL INFORMATION

Acute toxicity: LD50: No data available

LC50: No data available

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation. Moderately irritating to the eyes.

Inhalation: Irritating to respiratory system.

Ingestion: May affect behavior/central nervous system (somnolence, ataxia).



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Aspiration hazard: No information available.

12 - ECOLOGICAL INFORMATION

No data available

13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14 – TRANSPORTATION INFORMATION

UN-No: UN1993

Proper Shipping Name: Flammable liquid, N.O.S (Garlic oil)

Hazard Class: 3

Subsidiary Class: No information available

Packing group: III

Marine Pollutant: No data available

DOT RQ (lbs): No data available

15 – REGULATORY INFORMATION

Whether the product is listed in "China Inventory of Existing Chemical Substances" (2015 Edition): Not included.

16 - OTHER INFORMATION

Updated date: 2025-08-31

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