

Safety Data Sheet

Date of First Issue: 06/05/2022

1/4

SECTION 1: IDENTIFICATION

1.1 Identification

Trade Name: PresOil
Chemical Name: Hop oil
CAS-No: 8007-04-3

1.2 Recommended use and restrictions on use

Use of the substance/mixture: Manufacturing of food

1.3 Manufacturer and Supplier in South Africa

Preserve Botanica (Pty) Ltd Reg. No 2016/205851/07
57 Golf Park, Heather Park George, 6527, R.S.A.
T: +27 84 419 5427 E: info@preservebotanica.co.za
www.preservebotanica.co.za Responsible Person:
Wanda du Plessis, wanda@preservebotanica.co.za

1.4 Emergency telephone number

Emergency Tel: +27 84 419 5427

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

Flammable liquids Category 3 H226
Skin corrosion/irritation Category 2 H315
Serious Eye Damage Category 2 H319
Aspiration hazard Category 1 H304

2.2 Label Elements

Hazard Statements

H226 Flammable liquid
H304 May be fatal when swallowed & enters airways
H315 Causes Skin Irritation
H319 Causes serious eye irritation

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames, no smoking
P273 Avoid release to the environment P280 Wear protective gloves, eye protection
P301+P330+P331 If swallowed; rinse mouth.
DO NOT INDUCE VOMITING
P391 Collect spillage

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance Name: hop oil

Name	CAS-No	%	GHS Classification
7-methyl-3-methyleneocta-1,6-diene (Component)	123-35-3	<75	H226 H315 H319 H314
caryophyllene (Component)	87-44-5	<10%	H304

SECTION 4: First-aid measures

4.1 Description of first aid measures

General: Call a physician immediately. **After Inhalation:** Remove person to fresh air and keep comfortable for breathing **After skin contact:** Rinse skin with water/shower. Remove/take off immediately all contaminated clothing. **If skin irritation occurs:** Get medical advice/attention. **After ingestion:** Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects (acute and delayed)

After skin contact: Irritation. **After eye contact:** Eye Irritation. **After ingestion:** Risk of Lung oedema.

4.3 Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Safety Data Sheet

Date of First Issue: 06/05/2022

2/4

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable (and un-suitable) extinguishing media

Suitable extinguishing media: Water spray, dry powder, foam, Carbon Dioxide.

Unsuitable extinguishing media: Strong water jet.

5.2 Specific hazards arising from the chemical

Fire Hazard: Flammable liquid and vapour.

5.3 Special protective equipment and pre-cautions for fire fighters

Firefighting instructions: Cool closed containers exposed to fire with water spray.

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area, protection P301+P330+P331 If swallowed; rinse mouth. DO NOT INDUCE VOMITING, P391 Collect spillage

6.1.2. For emergency responders

Protective equipment: See Section 8: Exposure Controls

6.2 Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up.

For containment: collect spillage

Methods for cleaning up: Cover spill with non-combustible material, Mechanically collect and remove in suitable container for disposal, notify authorities if product get's into public waters, disposal according to official regulations.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Ensure good ventilation of the workstation, Avoid breathing mist, vapours, spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take pre-cautionary methods against static discharge. Flammable vapours may accumulate in the container. Use explosion proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.

7.2 Hygiene measures

Wash contaminated clothing before use. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.3 Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment

Storage conditions: Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Maximum storage: Approximately 1 year.

Storage temperature: < 50 Degrees Celsius.

Packaging materials: Aluminum

Safety Data Sheet

Date of First Issue: 06/05/2022

3/4

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Not applicable

8.2 Appropriate engineering controls

Ensure good ventilation of the workstation. Avoid release to the environment.

8.3 Individual protection measures/personal protective equipment:

Hand Protection: In case of prolonged contact wear gloves. EN 374. Please follow the instructions related to permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

Eye Protection: Wear closed safety glasses EN166

Skin and body protection: Wear suitable protective clothing

Respiratory protection:

Accidental release measures: Filter type P1 EN143.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Varies from light golden to amber depending on variety

Odour: Characteristic

Boiling Point: >71 Degrees Celsius

Flash Point: >41 Degrees Celsius

Specific gravity: Approximately 1g/ml (20 Degrees Celsius)

Viscosity, kinematic: Approximately 46mm²/s

Viscosity dynamic: Approximately 46mPa/s (25 Degrees Celsius).

9.2 Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Flammable liquid and vapour

10.2 Chemical stability

Stable under normal conditions. To avoid thermal decomposition, do not overheat.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Avoid contact with hot surfaces, no flames, heat, no sparks. Eliminate all sources of ignition.

10.5 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral): Not classified. **Acute toxicity (dermal):** Not classified. **Acute toxicity (inhalation):** Not classified. **Skin corrosion/irritation:** causes skin irritation. **Serious eye damage/irritation:** causes serious eye irritation.

7-

methyl-3methyleneocta-1,6-diene (123-35-3)

LD50 oral rat

>3380 mg/kg body weight

LD50 dermal rabbit

>5000 mg/kg body weight

Aspiration Hazard:

may be fatal if swallowed and enters airways.

Symptoms /effects after skin contact:

Irritation

Symptoms/effects after eye contact:

Eye irritation

Symptoms/effects after ingestion:

Risk of lung oedema.

Safety Data Sheet

Date of First Issue: 06/05/2022

4/4

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - general: Very toxic to aquatic life with long lasting effects

7-methyl-3-methyleneocta-1,6-diene (123-35-3)

EC50 Daphnia 1	1.47mg/l
----------------	----------

12.2 Persistence and degradability

7-methyl-3-methyleneocta-1,6-diene (123-35-3)

Biodegradation	76% (28d)
----------------	-----------

caryophyllene (87-44-5)

Persistence and degradability	Not readily biodegradable
-------------------------------	---------------------------

Biodegradation	10% (28d, EU Method C.4-E)
----------------	----------------------------

12.3 Bio-accumulative potential

7-methyl-3-methyleneocta-1,6-diene (123-35-3)

Log Pow	4.82 (ph 6.5, 30 Degrees C (OECD 117 Method))
---------	---

caryophyllene (87-44-5)

Log Pow	6.23 (25 Degrees C, ph 7 (OECD 117 Method))
---------	---

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Waste treatment methods: Disposal must be done according to official regulations. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Additional Information: Flammable vapours may accumulate in the container.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport document description

Shipping Name:	Extracts, flavouring, liquid
Class:	Class 3 Flammable and combustible liquid
Packing Group:	III Minor Danger
Hazard Labels:	3 - Flammable liquid



Quantity Limitations passenger aircraft: 60L

Quantity Limitations Cargo Aircraft: 220L

Vessel Stowage Location: The material may be stowed on deck or under deck on a cargo vessel and on a passenger vessel.

Air Transport: UN 1197 Extracts, flavourings, liquid, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: REGULATORY INFORMATION

hop oil (8007-04-3)

Manufacturing of Food:

This product does not contain any substances known to cause cancer, developmental and/or reproductive harm.

SECTION 16: OTHER INFORMATION

This document has been compiled by Preserve Botanica Pty Ltd as guided by the US OSHA Hazard Communication Standard (HCS 2012), 29 CFR Part 1910.1200.

Responsible Person: Wanda du Plessis, Phone number: +27 84 419 5427, wanda@preservebotanica.co.za

Revision date: 12.05.2023