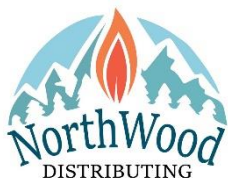


SAFETY DATA SHEET

DATE ISSUED :	3/17/2023



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Eucalyptus Globulus Oil

CHEMICAL NAME: Eucalyptus globulus, oil

CAS: 8000-48-4

EC Number: 283-406-2

REACH Registration number: 01-2119978250-37/--

PRODUCT RECOMMENDED USE: This product is only intended for using as an ingredient in the manufacturing of mixtures

RESTRICTIONS ON USE: Not intended for the general public

MANUFACTURER

NorthWood Distributing, LLC

201 N Meridian Street

Belle Plaine, MN 56011

customercare@northwoodcandle.com

952-679-4058

2. HAZARDS IDENTIFICATION

CLASSIFICATION according to the Regulation (EC) No 1272/2008:

Flammable liquids, Hazard	Category 3;
Aspiration hazard, Hazard	Category 1;
Sensitization — Skin, Hazard	Category 1;
Hazardous to the aquatic environment — long-term hazard	Category Chronic 2

Classification according to the Directive 67/548/EEC.

Hazard Symbols:

Xn: Harmful

N: Dangerous for the environment

Risk Phrases:

R10: Flammable.

R43: May cause sensitization by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed.

GHS LABEL ELEMENTS:

EC Number: 283-406-2
Eucalyptus globulus, oil

HAZARD PICTOGRAM



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P331: Do NOT induce vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	EC/Registration Number	Symbol(s); Risk phrase(s) / Hazard Class and Category Code; Hazard statement codes
Eucalyptus globulus	5392-40-5	100%	283-406-2	Xn,N; R10-43-51/53-65 Flam. Liq. 3;H226- Asp. Tox. 1;H304- Skin Sens. 1;H317- Aquatic Chronic 2;H411

4. FIRST AID MEASURES

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Burning sensation, itching, rashes, hives.

EYES:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

SKIN:

Remove contaminated clothing. Wash affected areas with plenty of soap and water. If irritation develops, seek medical attention.

INGESTION:

If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting. Rinse mouth with water and obtain medical advice.

INHALATION:

Remove to fresh air. Get medical attention immediately if symptoms occur.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Aspiration hazard. May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration). May produce an allergic reaction (rash, urticarial). Read label before use. No additional information available

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Recommended: Foam or dry powder. For safety reasons do not use full water jet.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE /MIXTURE: Not Applicable.

ADVICE FOR FIREFIGHTERS: Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapors. Use appropriate respiratory protection. Prevent run-off from firefighting to enter drains or water courses

6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:**

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapors or smoke. Maintain adequate ventilation in the working area after spilling.

ENVIRONMENTAL PRECAUTIONS:

Avoid contaminating the environment via the sewers or water sources

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

7. HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING:**

Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse.

STORAGE:

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

CONTROL PARAMETERS:

Declaration of substances is not required.

ENGINEERING CONTROLS - VENTILATION: The areas where the product is handled and stored should be adequately ventilated

PERSONAL PROTECTIVE EQUIPMENT: Use personal protection equipment according to Directive 89/686/EEC.

RESPIRATORY PROTECTION: Use personal breathing apparatus whenever deemed necessary.

EYE PROTECTION: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

SKIN PROTECTION: Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

GENERAL HYGIENIC PRACTICES: Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Colorless

ODOR: Camphoraceous, fresh, minty

APPEARANCE: Liquid

FLASH POINT: 50 °C / 122 °F

FLASH POINT METHOD: CLOSED CUP

DENSITY: 0,909 g/cm³ (20 °C)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product is stable under normal storage and use.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions

CONDITIONS TO AVOID: Excessive heat, sparks or open flame. No special precautions other than good housekeeping of chemicals

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and other unidentified organic compounds may be formed upon combustion

INCOMPATIBLE MATERIALS: None Known.

REACTIVITY: No Information Available.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

Toxicological effects: See also sections 2 and 3

12. ECOLOGICAL INFORMATION

Acute aquatic toxicity:

Persistence and degradability

No information available.

Bioconcentration factor:

Mobility in soil:

Not Available.

Results of PBT and vPvB assessment:

Other adverse effects

Do not allow the material to enter streams, sewers or other waterways



13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

Container disposal: Do not reuse empty containers.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way

14. TRANSPORT INFORMATION

Regulator	Class	Pack Group	Sub Risk	UN-nr
International Carriage of Dangerous Goods by Road (ADR)				
FLAMMABLE LIQUID, N.O.S. (Contains Eucalyptus globulus, oil) Tunnel Restriction Code: (D/E)	3	III		UN-1993
  3				
IATA/ICAO (Air Cargo)				
Flammable liquid, n.o.s. (Contains Eucalyptus globulus, oil)	3	III		UN-1993
IMGD (Sea)				
Flammable liquid, n.o.s. (Contains Eucalyptus globulus, oil) EmS: F-A, S-E Marine Pollutant: Yes	3	III		UN-1993

Non-Bulk Transport / Limited and Excepted Quantities

US Department of Transportation (DOT)

DOT Non-Bulk Quantity limits:

Flammable liquids Class 3, Packing Group III, and Combustible liquids

Ground: 450 L; Passenger aircraft/rail: 60 L; Cargo aircraft only: 220 L

DOT Limited Quantities (Not subject to labeling per 49 CFR 173.150)

Each package may not exceed 30 kg (66 pounds) gross weight.

Ground: Inner packaging not over 5.0 L (1.3 gallons) each.

Air: Inner packaging not over 120 mL (4 fluid oz.) each.

DOT Marine Pollutants (49 CFR 171.4):

Except when all or part of the transportation is by vessel, non-bulk packages (less than or equal to 220 L / 119 gal) that are marine pollutants, are not regulated as hazardous materials when transported by motor vehicle, rail car or aircraft.

International Transport (ADR / IATA / IMDG)

Excepted Quantities: Code E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

Chemical safety assessment:

Not available.

16. OTHER INFORMATION

Text of risk phrases associated with ingredients listed in section 3:

R10: Flammable.

R43: May cause sensitization by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

Text of hazard statement codes in section 3: H226:

Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

This material should only be used for industrial purposes.

Key literature references and sources for data:

1. Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

2. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

3. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

4. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

5. Occupational Safety and Health Administration (US); 29 CFR 1910 and 49 CFR, March 28, 2012, modifying the Hazard Communication Standard (HCS) and aligning it with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as established by the United Nations (UN).

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