SAFETY DATA SHEET

Prepared in accordance with OSHA Hazard Communication Standard (HCS) 2024 — 29 CFR 1910.1200

Product: Clove Bud Pure Essential Oil	**SKU:** EO1440	**Revision Date:** 10/27/2026	**Version:** 1

1. IDENTIFICATION

Product Name	Clove Bud Pure Essential Oil
Description	Clove Bud Pure Essential Oil (Syzygium aromaticum / Eugenia caryophyllus)
SKU	EO1440
CAS No.	8000-34-8
Suggested Use	Essential oil for use in consumer and industrial products
Restrictions on Use	N/A
Supplier	Essentials by Catalina 12781 Temescal Canyon Rd. | Corona | CA 92883 951-674-4444 | hello@essentialsbycatalina.com
Emergency Contact	Essentials by Catalina: 951-674-4444 (Mon–Fri 8:00 AM – 5:00 PM Pacific) After Hours: Poison Control 1-800-222-1222

Hazard Class	Category	Statement
Flammable Liquids	Category 4	H227: Combustible liquid
Serious Eye Damage/Eye Irritation	Category 2A	H319: Causes serious eye irritation
Carcinogenicity	Category 2	H351: Suspected of causing cancer

Signal Word: WARNING

Precautionary Statements
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370+P378: In case of fire: Use CO2, dry chemical, or foam to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Rating System	Health	Flammability	Physical/Reactivity
HMIS	2 *	2	0
NFPA 704	2	2	0

** HMIS Chronic Hazard Star — indicates a chronic health hazard (carcinogenicity classification).*

Potential Health Effects

Inhalation	No data available.
Skin	No data available. Repeated contact may cause allergic reactions in very susceptible persons (hives).
Eyes	Causes serious eye irritation.
Ingestion	May be harmful if swallowed.
Chronic Effects	Suspected of causing cancer (contains methyl eugenol: NTP reasonably anticipated to be a human carcinogen). Eugenol: IARC Group 3.

Substance	CAS Number	EC Number	Concentration
Clove Bud Oil (Syzygium aromaticum)	8000-34-8	284-638-7	100%
Contains: Eugenol	97-53-0	202-589-1	50–90%
Contains: Methyl Eugenol	93-15-2	202-223-0	<1%

General Information	If symptoms persist, call a physician. Use personal protective equipment.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes, removing all contaminated clothing and shoes. If skin irritation persists, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses after initial flushing and continue. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Most Important Symptoms/Effects	Hives.
Note to Physicians	May cause sensitization in susceptible persons. Treat symptomatically.

Suitable Extinguishing Media	Dry chemical, carbon dioxide (CO_2), water spray, alcohol-resistant foam.
Special Hazards	Combustible liquid. Risk of ignition; sensitive to static discharge. Thermal decomposition can release irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.
Protective Equipment	Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Personal Precautions	Use personal protective equipment. Avoid contact with eyes and skin. Evacuate personnel to safe areas; keep people away from and upwind of spill. Remove all sources of ignition and take precautionary measures against static discharge.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.
Methods for Containment/Cleaning Up	Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material; pick up and transfer to properly labeled containers. Dike spill. Dispose of according to Section 13.

Protective Action Criteria (PAC)	No data available.

Safe Handling	Ensure adequate ventilation; use only with appropriate exhaust ventilation. Do not breathe vapors or mist. Ground all metal equipment to avoid ignition of vapors by static discharge. Keep away from heat, sparks and open flame. No smoking.
Safe Storage	Store locked up. Keep out of the reach of children. Keep container tightly closed in a cool, well-ventilated place, away from heat and ignition sources. Keep in properly labeled containers. Incompatible products: none known.
Specific End Uses	No data available.

Exposure Limits	No occupational exposure limits have been established for the components.
Engineering Controls	Ventilation systems; eyewash stations and safety showers.
General Protective/Hygienic Measures	Do not eat, drink or smoke when using. Wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, use NIOSH/MSHA approved respiratory protection. Positive-pressure supplied air respirators may be required for high airborne concentrations.
Hand / Skin Protection	Chemical-resistant gloves and chemical-resistant apron/protective clothing.
Eye Protection	Tightly fitting safety goggles; face shield.

Property	Value	Property	Value
Physical State	Liquid	Flash Point	88°C (190°F), closed cup
Appearance	Darkens with age	Auto-Ignition Temperature	No data available
Color	Colorless to pale yellow	Explosion Limits	No data available
Odor	Clove	Vapor Pressure	No data available
Boiling Point	No data available	Vapor Density	No data available
Melting Point	No data available	Evaporation Rate	No data available
Specific Gravity	1.0380–1.0600 (25°C)	Refractive Index	1.5270–1.5350
Water Solubility	Practically insoluble	VOC Content	No data available

Reactivity	No data available.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	None known based on information supplied.
Hazardous Decomposition Products	None known based on information supplied.

Acute Toxicity	No data available for the product as a whole.
Component Data — Eugenol	Oral LD50 1930 mg/kg (rat).

Component Data — Methyl Eugenol	Oral LD50 810 mg/kg (rat); dermal LD50 2025 mg/kg (rabbit).
Sensitization	Repeated contact may cause allergic reactions in very susceptible persons.
Carcinogenicity	Suspected of causing cancer (Category 2). Methyl eugenol: NTP reasonably anticipated to be a human carcinogen; OSHA listed. Eugenol: IARC Group 3 (not classifiable).
Germ Cell Mutagenicity / Reproductive Toxicity / STOT / Aspiration	No data available.

Aquatic Toxicity	Toxic to aquatic life (per supplier). 14.9% of the material consists of components of unknown hazard to the aquatic environment.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.
Other Adverse Effects	No data available.

Waste Treatment Methods	Must undergo special treatment, e.g. at a suitable disposal site, to comply with local regulations.
Uncleaned Packaging	Do not reuse container.

UN Number / Proper Shipping Name	Not regulated (DOT, IMDG, IATA).
Hazard Class / Packing Group	Not regulated (DOT, IMDG, IATA).
Note	Not regulated for transport under any mode, domestic or international.

TSCA	Listed / complies. Also complies with DSL/NDSL (Canada), EINECS (EU), ENCS (Japan), IECSC (China), KECL (Korea), PICCS (Philippines), AICS (Australia).
SARA 313	Contains methyl eugenol (CAS 93-15-2), 0.1% (reporting threshold 0.1%).
SARA 311/312 Hazard Categories	Acute health hazard: Yes. Fire hazard: Yes. Chronic health, sudden release of pressure, reactive: No.
CERCLA / Clean Water Act	No regulated substances.
California Proposition 65	Contains methyl eugenol (CAS 93-15-2), <1%. **WARNING:** This product can expose you to chemicals including Methyl Eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
State Right-to-Know	Methyl eugenol (93-15-2) listed in New Jersey.

Flam. Liq. 4: Flammable liquids, Category 4. Eye Irrit. 2A: Serious eye damage/eye irritation, Category 2A. Carc. 2: Carcinogenicity, Category 2.

Rating System	Health	Flammability	Instability/Reactivity
NFPA	2	2	0
HMIS	2 *	2	0

** HMIS Chronic Hazard Star — indicates a chronic health hazard.*

SDS Version	1
Revision Date	10/27/2026

The information contained in this document was carefully compiled and is believed to be accurate. The information represents the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. However, it does not represent any guarantee of the properties of the product. Essentials by Catalina shall not be held liable for any damages resulting from handling or from contact with the above product. It is the responsibility of the purchaser to determine the suitability of the product for their particular purposes. Nothing contained herein shall be construed to be a recommendation to use, or as a license to operate under, or to infringe any existing patents.

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