




## Safety Data Sheet

1. Identification	
<b>Product Name:</b>	Clove Bud Essential Oil
<b>Botanical/INCI:</b>	<i>Syzygium aromaticum</i>
<b>Synonyms:</b>	<i>Eugenia Caroyphyllus</i>
<b>CAS Number:</b>	84961-50-2
<b>Product Uses:</b>	Personal care, Aromatherapy
<b>Manufacturer/Supplier:</b>	Amrita Aromatherapy, Inc. <sup>®</sup>
<b>Address:</b>	1900 W. Stone Ave., Suite C Fairfield, IA 52556
<b>Phone:</b>	1(800)410-9651 or 1(641)472-9136
<b>Fax:</b>	1(641)472-8672
<b>Emergency Contact:</b>	Poison Control: 1(800)222-1222
2. Hazard(s) Identification	
<b>Appearance:</b>	Liquid
<b>Signal Word:</b>	Warning
<b>Statement of Hazard:</b>	H302 Harmful if swallowed H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation
<b>Precautionary Statements:</b>	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. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P501 Dispose of contents/container in accordance with local/regional/national/international regulations
<b>Aspiration Toxicity:</b>	Category 1
<b>Skin Irritation:</b>	Category 2
<b>Skin Sensitization:</b>	Category 1
<b>Acute Aquatic Toxicity:</b>	Category n/a
<b>Chronic Aquatic Toxicity:</b>	Category n/a
<b>Flammable Liquids:</b>	Category n/a
Classification according to EU Directives 67/548/EEC or 1999/45/EC. For the full text of the R-phrases mentioned in this Section, see Section 16.	

Hazards				
Symbol(s) Writing		Pictogram(s)		
<ul style="list-style-type: none"> <li>Harmful if swallowed</li> <li>Causes skin irritation</li> <li>Causes serious eye irritation</li> </ul>				
<ul style="list-style-type: none"> <li>May cause an allergic skin reaction</li> </ul>				
3. Composition / Information on Ingredients				
Ingredients List: 100% Clove Bud Essential Oil				
Component	CAS Number	Weight %	Classification 1272 / 2008	REACH Number
Eugenol	97-53-0	<=83%	ATox4, SI2, SS1, EI2	202-589-1
Eugenyl Acetate	93-28-7	<=7%	ATox4	202-235-6
Beta Caryophyllene	87-44-5	<=6%	AspT1, SS1	201-746-1
<i>(See Section 8 for Exposure Limits)</i>				
4. First Aid Measures				
<b>General Advice:</b>	Seek medical attention in case of any discomfort. Observe risk of aspiration if vomiting occurs. May cause lung damage if swallowed.			
<b>Eye Contact:</b>	Remove contact lenses. Flush repeatedly with water for 15 minutes; contact physician			
<b>Skin Contact:</b>	Remove contaminated clothing, wash with water and soap. Contact physician if redness or irritation develop.			
<b>Ingestion:</b>	Do NOT induce vomiting. Rinse out mouth. Do NOT give water or milk unless directed by medical professional. Contact POISON CENTER or doctor immediately.			
<b>Inhalation:</b>	Remove to fresh air and contact a physician if symptoms such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest occur.			
5. Fire Fighting Measures				
<b>Extinguishing Media:</b>	SUITABLE: Foam, Dry chemical, Carbon Dioxide, B class Extinguishers NON-SUITABLE: Water Jet			
<b>Hazardous Combustion Products:</b>	Carbon Dioxide and Carbon Monoxide			
<b>Fire Fighting Procedures:</b>	When possible, prevent environmental run-off. Use self-contained breathing apparatus and protective clothing.			
<b>Fire / Explosion Hazards:</b>	Carbon monoxide, carbon dioxide, acrid fumes, smoke, or flammable vapor may be released during oil fires. Flammable liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.			
6. Accidental Release Measures				
<b>Health and Safety Precautions:</b>	Personnel involved in cleanup should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Eliminate all sources of ignition and ventilate area using explosion-proof equipment.			

<b>Measures for Cleaning and Collecting:</b>	Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers. Clean spill area thoroughly.
<b>Measures for Environmental Protections:</b>	Do NOT allow to enter the sewer or outdoor environment. Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
<b>Additional Considerations for Large Spills:</b>	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.
<b>7. Handling and Storage</b>	
<b>General Handling:</b>	Avoid contact with eyes, skin, mucous and clothing. Wear required PPE. Observe good hygiene guidelines and general safety practices. Do NOT eat, drink, or smoke when handling. Ensure workspace is properly ventilated. Wash hands after handling.
<b>Storage Conditions:</b>	Store in tightly sealed glass container, away from heat, light, and other sources of ignition; in a well-ventilated, dry and cool location. Keep away from strong oxidizing agents.
<b>8. Exposure Controls / Personal Protection</b>	
<b>Exposure Limit:</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
<b>Engineering Controls:</b>	Extraction or global ventilation. Equipment should be grounded. Provide eyewash station.
<b>Environmental Exposure Controls:</b>	Avoid discharging into sewer or environment. Do NOT eat, drink, or smoke near or after handling product.
<b>Personal Protective Equipment (PPE):</b>	Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed
<b>Hands:</b>	Wear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact.
<b>Eyes:</b>	Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.
<b>Skin:</b>	Use protective clothing as necessary, such as a lab coat.
<b>Respiratory Protection:</b>	Assure a well-ventilated work area – Use general face covering
<b>9. Physical and Chemical Properties</b>	
<b>Physical State:</b>	Liquid
<b>Liquid Color:</b>	Clear to pale yellow to yellow
<b>Odor:</b>	Strong, spicy, penetrating aroma
<b>Molecular Weight:</b>	No information
<b>Water Solubility:</b>	Not soluble
<b>Boiling Point (°C):</b>	No information
<b>Vapor Pressure (kPa):</b>	No information
<b>Vapor Density (g/mL):</b>	No information
<b>Flash Point – Liquid (°C):</b>	100°C
<b>Upper Explosive Limits:</b>	No information
<b>Lower Explosive Limits:</b>	No information
<b>Polymerization:</b>	Will not occur

<b>Specific Gravity 25°C:</b>	No information
<b>Specific Gravity 20°C:</b>	1.027 – 1.065
<b>Refractive Index 20°C:</b>	1.527 – 1.538
<b>10. Stability and Reactivity</b>	
<b>Chemical Stability:</b>	Stable under normal conditions of use.
<b>Conditions to Avoid:</b>	Keep away from heat, spark, flames and all other sources of ignition
<b>Incompatible Materials:</b>	Strong oxidizing agents and strong inorganic acids
<b>11. Toxicological Information</b>	
<b>General Information:</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Acute Toxicity:</b>	Not Determined
<b>Irritation / Sensitization:</b>	Not Determined
<b>Skin Absorption:</b>	No adverse effects with normal skin. However, potentially harmful amounts of material may be absorbed across markedly abraded skin when contact is sustained.
<b>Carcinogen Status:</b>	Carcinogenicity of the mixture has not been determined. Not listed as carcinogens by IARC, US OSHA or NTP.
<b>12. Ecological Information</b>	
<b>Environmental Overview:</b>	The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.
<b>Eco-toxicity Effects:</b>	Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
<b>Persistence and Degradability:</b>	Biodegradation is expected
<b>Bio-accumulative Potential:</b>	Bioaccumulation is unlikely
<b>Mobility in Soil:</b>	Not Determined
<b>Other Adverse Effects:</b>	Avoid exposure to marine environments and waterways
<b>13. Disposal Considerations</b>	
<b>Waste Treatment Methods:</b>	Releases to the environment should be avoided. Review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure or environmental releases. Waste from a spill: Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Place waste in an appropriately labeled, sealed container for disposal. Clean spill area thoroughly. Care should be taken to avoid environmental release.
<b>14. Transport Information</b>	
<i>The following refers to all modes of transportation unless specified below. This material is regulated for transport under DOT, ADR, IMDG, and IATA regulations.</i>	
<b>UN Number:</b>	1169
<b>UN Proper Shipping Name:</b>	Extracts, aromatic, liquid
<b>Transport Hazard Class(es):</b>	Flammable Class 3
<b>Packing Group:</b>	III
<b>Flash Point (°C):</b>	100°C
<b>Marine Pollutant:</b>	Yes
<b>15. Regulatory Information</b>	

<b>EU Symbol:</b>				
<b>EU Indication of Danger:</b>	X – Hazard			
<b>EU Risk Phrases:</b>	R22 – Harmful if swallowed. R38 – Irritating to skin. R36 – Irritating to eyes.			
<b>EU Safety Phrases:</b>	S 20/21 – When using do not eat, drink, or smoke. S 23 – Do not breathe gas/fumes/vapor/spray S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S 28 – After contact with skin, wash immediately with plenty of soap and water. S 36/37/39 – Wear suitable protective clothing, gloves, and eye/face protection. S 45 – In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) S 61 – Avoid release to the environment. Refer to special instructions/safety data sheet			
<b>OSHA Label:</b>	Warning			
<b>Identifying Markings in Accordance with EC Directives / GefStoffV:</b>	No duty to mark/Exempt			
<b>California Proposition 65:</b>	Not listed			
<b>United States TSCA:</b>	Complies			
<b>Australia (AICS):</b>	Not present			
<b>EU EINECS/ELINCS List:</b>	Complies			
<b>16. Other Information</b>				
<b>Section 2 Expanded Precautionary Statements</b>	n/a			
<b>Section 3 Expanded Classification 1272 / 2008</b>	Eugenol – Acute Toxicity 4, Skin Irritant 2, Skin Sensitizer 1, Eye Irritant 2 Eugenyl Acetate – Acute Toxicity 4 Beta-Caryophyllene – Aspiration Toxicity 1, Skin Sensitizer 1			
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<b>Revision Tracking</b>				
Revision	Date	Reason	Author	Reviewed by
V1.0	2/6/2023	Creation	AG	SS