





## Safety Data Sheet

1. Identification	
<b>Product Name:</b>	Bergamot Essential Oil
<b>Botanical/INCI:</b>	Citrus aur. bergamia
<b>Synonyms:</b>	Bergamot Oil
<b>CAS Number:</b>	8007-75-8
<b>Product Uses:</b>	Aromatherapy, Personal Use
<b>Manufacturer/Supplier:</b>	Amrita Aromatherapy, Inc.®
<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>	Danger
<b>Statement of Hazard:</b>	H226 - Flammable liquid and vapor H304 - May be fatal if swallowed and enters airways H317 - May cause allergic skin reaction H319 - Causes serious eye irritation H335 - May cause respiratory irritation H410 - Very toxic to aquatic life with long-lasting effects.
<b>Precautionary Statements:</b>	P102 - Keep out of the reach of children. P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking P273 - Avoid release into the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P391 – Collect spillage
<b>Aspiration Toxicity:</b>	Category 1
<b>Skin Irritation:</b>	Category 2
<b>Skin Sensitization:</b>	Category 1
<b>Acute Aquatic Toxicity:</b>	Category 1
<b>Chronic Aquatic Toxicity:</b>	Category 1
<b>Flammable Liquids:</b>	Category 3
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>Flammable liquid and vapor</li> <li>Keep away from heat, sparks, open flames, and hot surfaces. - No Smoking</li> </ul>	
<ul style="list-style-type: none"> <li>Keep out of the reach of children</li> <li>Causes skin irritation</li> <li>May cause allergic skin reaction</li> <li>Causes serious eye irritation</li> </ul>	
<ul style="list-style-type: none"> <li>May cause respiratory irritation</li> <li>May be fatal if swallowed and enters airways</li> </ul>	
<ul style="list-style-type: none"> <li>Very toxic to aquatic life with long-lasting effects</li> <li>Avoid release into the environment</li> </ul>	

### 3. Composition / Information on Ingredients

#### Ingredients List: 100% Bergamot Essential Oil

Component	CAS Number	Weight %	Classification 1272 / 2008	REACH Number
Limonene	138-86-3	<=45%	FL3, AT1, SI2, SS1, EI2, AA1, AC1	205-341-0
Linalyl acetate	115-95-7	<=27%	SI2, SS1, EI2	204-116-4
Linalool	78-70-6	<=15%	SI2, SS1B, EI2	201-134-4
Beta-Myrcene	123.53-3	<2%	FL3, AT1, SI2, EI2, AC3	204-622-5
Citral	5392-40-5	<1%	SI2, SS1	205-476-5
Geraniol	106-24-1	<=0.1%	SS1, SI 2, ED1	203-377-1

**(See Section 8 for Exposure Limits)**


### 4. First Aid Measures

<b>General Advice:</b>	Seek medical attention in case of any discomfort. Bring this information to show the attending physician.
<b>Eye Contact:</b>	Check for and remove any contact lenses. Immediately wash thoroughly with soft, clean water for 15 minutes while holding the eyelids open. Cold water may be used. If symptoms persist, seek medical attention. May cause eye irritation and corneal damage if not immediately rinsed out.
<b>Skin Contact:</b>	Remove contaminated clothing and wash the skin thoroughly with soap and water. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical

	attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to a hospital.
<b>Ingestion:</b>	Not an expected route of exposure. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the exposed person at rest. Do NOT force vomiting unless directed to do so by medical personnel. Seek immediate medical attention and show the Substance's label to medical personnel.
<b>Inhalation:</b>	If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>5. Fire Fighting Measures</b>	
<b>Extinguishing Media:</b>	SUITABLE: Sprayed water or Water mist, Alcohol-resistant foam, Multipurpose ABC powder, BC powder, carbon dioxide (CO <sub>2</sub> ) NON SUITABLE: Water Jet (Straight Stream)
<b>Hazardous Combustion Products:</b>	A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. In the event of a fire, the following may be formed: carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ).
<b>Fire Fighting Procedures:</b>	When possible, prevent environmental run-off. Use self-contained breathing apparatus and protective clothing. Water mist may be used to cool barrels containing more product, preventing explosion.
<b>Fire / Explosion Hazards:</b>	Carbon monoxide, carbon dioxide, acidic fumes, smoke, or flammable vapor may be released during oil fires.
<b>6. Accidental Release Measures</b>	
<b>Health and Safety Precautions:</b>	Avoid all contact with eyes and mucous membranes. Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8.
<b>Measures for Cleaning and Collecting:</b>	Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8. Absorb spill with non-combustible matter (such as detergent - do not use solvents) and transfer to containers.
<b>Measures for Environmental Protections:</b>	Do NOT throw in sewer or environment. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.
<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.
<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>	No exposure limits set for the whole product
<b>Engineering Controls:</b>	Extraction or global ventilation. Equipment should be grounded. Provide eyewash station. General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.
<b>Environmental Exposure Controls:</b>	Avoid discharging into sewer or environment. Do NOT eat, drink, or smoke near, during handling, or after handling the product.

<b>Personal Protective Equipment (PPE):</b>	Protective clothing and gloves. Eye and face protection. Regularly laundered work clothing (lab coat).
<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. Type of gloves recommended: Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) or PVA (Polyvinyl alcohol).
<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>	Flame-retardant, antistatic protective clothing.
<b>Respiratory Protection:</b>	Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as back-up to engineering controls.
<b>9. Physical and Chemical Properties</b>	
<b>Physical State:</b>	Transparent liquid
<b>Liquid Color:</b>	Greenish yellow to green
<b>Odor:</b>	Fresh, zesty, citrus aroma
<b>Molecular Weight:</b>	Not specified
<b>Water Solubility:</b>	Not soluble
<b>Boiling Point (°C):</b>	Not specified
<b>Vapor Pressure (kPa):</b>	Not specified
<b>Vapor Density (g/mL):</b>	Not specified
<b>Flash Point – Liquid (°C):</b>	58°C
<b>Upper Explosive Limits:</b>	Not specified
<b>Lower Explosive Limits:</b>	Not specified
<b>Polymerization:</b>	Will not occur
<b>Specific Gravity 25°C:</b>	Not specified
<b>Specific Gravity 20°C:</b>	0.874 – 0.883
<b>Refractive Index 20°C:</b>	1.465 – 1.470
<b>10. Stability and Reactivity</b>	
<b>Chemical Stability:</b>	This substance is stable under the recommended handling and storage conditions in Section 7.
<b>Conditions to Avoid:</b>	Heat, flames, and sparks
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>11. Toxicological Information</b>	
<b>General Information:</b>	Breathing highly concentrated vapors may cause an anesthetic effect.
<b>Acute Toxicity:</b> Oral Dermal	Oral route: LD50 > 10000 mg/kg Dermal route: LD50 > 20000 mg/kg
<b>Skin:</b>	Known Photosensitizer. May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or edema, (redness, swelling, scabbing and blisters) following exposure up to four hours. May cause an allergic reaction by skin contact. See Section 3.
<b>Eyes:</b>	Eye exposure to essential oils may irritate the eyes. Prompt rinsing and removal of the substance will avoid damage.
<b>Vapors:</b>	Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney,

	liver and central nervous system. See EU allergen list in Section 3.
<b>Carcinogen Status:</b>	No components of this product are present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Aspiration Hazard:</b>	May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
<b>Long-term Effects</b>	Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system. Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.
<b>12. Ecological Information</b>	
<b>Environmental Overview:</b>	Balance of data on substance as a whole, not determined.
<b>Eco-toxicity Effects:</b>	See each category below for specific substances
<b>Chemical:</b>	Linalool, Limonene, Citral, and Beta Myrcene: generally recognized as safe in the small amounts appropriate for use.
<b>Persistence and Degradability:</b>	Biodegradation is expected
<b>Bio-accumulative Potential:</b>	Bioaccumulation is unlikely
<b>Mobility in Soil:</b>	Unknown
<b>Other Adverse Effects:</b>	Avoid Exposure to marine environments and waterways
<b>13. Disposal Considerations</b>	
<b>Waste Treatment Methods:</b>	Do not pour into drains or waterways. Observe all federal, state, and local environmental regulations. Member State-specific and Community-specific provisions must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewater. In extreme situations, contact a licensed professional waste disposal service to dispose of this material.
<b>Waste:</b>	Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. Waste management is carried out without endangering human health, without harming the environment, and in particular without risk to water, air, soil, plants, or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
<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>	Extract, aromatic, liquid
<b>Transport Hazard Class(es):</b>	Class 3

<b>Packing Group:</b>	III			
<b>Flash Point (°C):</b>	58°C			
<b>Marine Pollutant:</b>	Yes			
<b>15. Regulatory Information</b>				
<b>EU Symbol:</b>				
<b>EU Indication of Danger:</b>	Xn – Harmful N – Dangerous to the environment F – Flammable			
<b>EU Risk Phrases:</b>	R 10 – Flammable. R 20/22 – Harmful by inhalation and if swallowed. R 36/37/38 – Irritating to eyes, respiratory system and skin. R 50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.			
<b>EU Safety Phrases:</b>	S 1/2 – Keep locked up and out of the reach of children S 20/21 – When using do not eat, drink or smoke. S 27/28 – After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water S 29/56 – Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. S 36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. S 61 – Avoid release to the environment. Refer to special instructions/safety data sheet			
<b>OSHA Label:</b>	Danger			
<b>Identifying Markings in Accordance with EC Directives / GefStoffV:</b>	Unknown			
<b>California Proposition 65:</b>	This contains trace chemicals known to the State of California to cause cancer, birth defects, and/or reproductive harm. See Section 3 for details.			
<b>United States TSCA:</b>	Components listed			
<b>Australia (AICS):</b>	Components listed			
<b>EU EINECS/ELINCS List:</b>	Components listed			
<b>16. Other Information</b>				
<b>Section 3 Expanded Classification 1272 / 2008</b>	Limonene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Skin Sensitizing 1, Eye Irritant 2, Aquatic Acute 1, Aquatic Chronic 1 Linalyl acetate – Skin Irritant 2, Skin Sensitizer 1, Eye Irritant 2 Linalool – Skin Irritant 2, Skin Sensitizing 1B, Eye Irritant 2 Citral – Skin Irritant 2, Skin Sensitizing 1 Geraniol – Skin Sensitizing 1, Skin Irritant 2, Eye Damaging 1 Beta-Myrcene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Eye Irritant 2, Aquatic Chronic 3			
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<b>Revision Tracking</b>				
<b>Revision</b>	<b>Date</b>	<b>Reason</b>	<b>Author</b>	<b>Reviewed by</b>
V1.0	12/27/2021	New Template	KH	SS



V1.1	2/1/2022	Completion	SS	AG
V1.2	8/1/2022	Edit	AG	SS