




## Safety Data Sheet

1. Identification	
<b>Product Name:</b>	Lime Essential Oil
<b>Botanical/INCI:</b>	<i>Citrus aurantifolia</i>
<b>Synonyms:</b>	Citrus acida
<b>CAS Number:</b>	8008-26-2
<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>	Danger
<b>Statement of Hazard:</b>	H226 Flammable liquid and vapor H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H410 Very toxic to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P331 Do NOT induce vomiting. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P370+P378 In case of fire: Use Foam, Dry chemical, Carbon Dioxide, B class Extinguishers for extinction. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
<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> </ul>	
<ul style="list-style-type: none"> <li>May be fatal if swallowed and enters airways</li> <li>Causes skin irritation</li> <li>May cause an allergic skin reaction</li> </ul>	
<ul style="list-style-type: none"> <li>Very toxic to aquatic life with long lasting effects</li> </ul>	

### 3. Composition / Information on Ingredients

**Ingredients List:** Lime Essential Oil

Component	CAS Number	Weight %	Classification 1272 / 2008	REACH Number
D-Limonene	5989-27-5	<=49%	FL3, AspT1, SI2, SS1, AA1, AC1	227-813-5
Gamma Terpinene	99-85-4	<=13%	FL3, AspT1	202-794-6
Terpinolene	586-62-9	<=9%	FL3, AspT1, SI2, SS1B, AA1, AC1	209-578-0
Alpha Terpineol	98-55-5	<=6%	SI2, EI2	202-680-6
Beta Pinene	127-91-3	<=2%	FL3, AspT1, SI2, SS1, AA1, AC1	242-060-2
Para Cymene	99-87-6	<=2%	FL3, AspT1, AC2	202-796-7
Alpha Terpinene	99-86-5	<=1%	FL3, ATox4, AspT1, AC2	202-795-1
Beta Bisabolene	495-61-4	<=1%	AspT1, SI2, SS1, ATox4, AC2	n/a
Myrcene	123-35-3	<=1%	FL3, AspT1, SI2, EI2, AC3	204-622-5
Alpha Pinene	80-56-8	<=1%	FI3, AspT1, SI2, SS1, EI2, AA1, AC1	201-291-9


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

### 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.
<b>5. Fire Fighting Measures</b>	
<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.
<b>6. Accidental Release Measures</b>	
<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>	Colorless to yellow
<b>Odor:</b>	Fresh Sweet Citrus
<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>	46°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>	0.8510 - 0.8800
<b>Refractive Index 20°C:</b>	1.4691 - 1.4780
<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

	<p>appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure or environmental releases.</p> <p>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.</p>
<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>	46°C
<b>Marine Pollutant:</b>	Yes
<b>15. Regulatory Information</b>	
<b>EU Symbol:</b>	
<b>EU Indication of Danger:</b>	X – Hazard F – Flammable N – Hazardous to Environment
<b>EU Risk Phrases:</b>	R10 – Flammable. R 26/28 – Very toxic by inhalation and if swallowed. R38 – Irritating to 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 – Keep locked up S 3/9 – Keep in a cool, well-ventilated place S 7 – Keep container tightly closed S 16 – Keep away from sources of ignition – No smoking S 23 – Do not breathe gas/fumes/vapor/spray. S 27/28 – After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water S 33 – Take precautionary measures against static discharges. S 36/37/39 – Wear suitable protective clothing, gloves, and eye/face protection. S 43 – In case of fire use: Use Foam, Dry chemical, Carbon Dioxide, B class Extinguishers for extinction. S 62 – If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
<b>OSHA Label:</b>	Danger
<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>	P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment. P242 Use only non-sparking tools. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. P273 Avoid release to the environment.			
<b>Section 3 Expanded Classification 1272 / 2008</b>	D-Limonene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Skin Sensitizer 1, Aquatic Acute 1, Aquatic Chronic 1 Gamma Terpinene – Flammable Liquid 3, Aspiration Toxicity 1 Terpinolene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Skin Sensitizer 1B, Aquatic Acute 1, Aquatic Chronic 1 Alpha Terpineol – Skin Irritant 2, Eye Irritant 2 Beta Pinene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Skin Sensitizer 1, Aquatic Acute 1, Aquatic Chronic 1 Para Cymene – Flammable Liquid 3, Aspiration Toxicity 1, Aquatic Chronic 2 Alpha Terpinene – Flammable Liquid 3, Acute Toxicity 4, Aspiration Toxicity 1, Aquatic Chronic 2 Beta Bisabolene – Aspiration Toxicity 1, Skin Irritant 2, Skin Sensitizer 1, Acute Toxicity 4, Aquatic Chronic 2 Myrcene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Eye Irritant 2, Aquatic Chronic 3 Alpha Pinene – Flammable Liquid 3, Aspiration Toxicity 1, Skin Irritant 2, Skin Sensitizer 1, Eye Damage 1, Eye Irritant 2, Aquatic Acute 1, Aquatic Chronic 1			
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<b>Revision Tracking</b>				
Revision	Date	Reason	Author	Reviewed by
V1.0	2/6/2023	Creation	AG	SS