



Material Safety Data Sheet

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Nature's Shield Essential Oil Blend

CAS #: 8000-48-4, 8014-19-5, 85085-48-9, 8000-29-1, 8007-02-1, 68855-99-2, 8014-71-9

SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions, LLC.

Address: 1405 W 820 N, Provo, UT 84601

Telephone No: 801-872-9500

24 HOUR EMERGENCY TELEPHONE NUMBER: (800) 222-1222 POISON CONTROL

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 4
Skin Corrosion/Irritation 2
Eye Damage/Irritation 2B
Sensitization - Skin 1

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Warning

Hazard Pictograms:



Hazard Statement:

H227 Combustible liquid.
H315 Causes skin irritation.
H320 Causes eye irritation.
H317 May cause an allergic skin reaction.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves/eye protection/face protection.
P370+P378 In case of fire: Use media other than water to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P264 Wash face, hands, and any exposed skin thoroughly after handling.
P302+P352+P362 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary Statement:





P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: No additional information available.

SECTION: 3. COMPOSITION / INFORMATION INGREDIENTS

Content	CAS #	EC#	Concentration
Lemon Eucalyptus Essential Oil	8000-48-4	286-249-8	15% - 40%
Palmarosa Essential Oil	8014-19-5	283-461-2	10% - 35%
Tea Tree Essential Oil	85085-48-9	285-377-1	5% - 25%
Citronella Essential Oil	8000-29-1	294-954-7	5% - 25%
Lemongrass Essential Oil	8007-02-1	289-752-0	5% - 25%
Litsea Cubeba Essential Oil	68855-99-2	290-018-7	5% - 25%
Melissa Essential Oil	8014-71-9	282-007-0	< 5%

**Specified chemical identity and/or exact percentage of composition has been withheld as a trade secret. **

SECTION 4.1 NECESSARY FIRST AID MEASURES

- Eye Contact: Wash thoroughly with soft, clean water for 15 minutes holding eye lids open. If eye irritation persists: Get medical advice/attention.
- Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Skin Contact: Wash off with soap and plenty of water. Consult a physician.

SECTION 4.2 SYMPTOMS

- Eye Contact: May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.
- Inhalation: 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.
- Ingestion: Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
- Skin Contact: Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause irreversible damage to skin: namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. May cause an allergic skin reaction.

SECTION 4.3 OTHER FIRST AID MEASURES



Medical Attention/Special Treatment: Treat symptomatically.

SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media: CO2. Dry Powder. Foam.
Unsuitable Extinguishing media: Water.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical: Fire hazard: A fire will often produce a thick black smoke. Do not breathe smoke. Reactivity: In the event of a fire, carbon dioxide may be formed. In the event of a fire, carbon monoxide can be formed.

SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions: Use water spray to cool unopened containers.
Protection during firefighting: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. vapors can accumulate in low areas.
Protective equipment: Wear respirator, gloves, and eye protection. Avoid inhalation and contact with skin and eyes.
Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

SECTION 7.2 CONDITIONS FOR SAFE STORAGE

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS



PEL, ACGIH, TLV exposure limit: No additional information available.

Appropriate engineering controls: Showers. Eyewash stations. Ventilation systems.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

Eye/Face Protection: Tight sealing safety goggles.

Hand Protection: Wear protective gloves.

Skin and Body Protection: Wear impervious clothing, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: 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 a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Control: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 8.3 ADDITIONAL INFORMATION

Other: Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Avoid breathing (dust, vapor, mist, gas).

SECTION 9.1 PHYSICAL PROPERTIES

Appearance: Yellow to amber liquid.

Odor: Floral citrus with earthy undertone.

Odor Threshold: No data available.

Physical State: Liquid.

SECTION 9.2 CHEMICAL PROPERTIES



pH:	No data available.
Melting Point/Freezing Point:	No data available.
Boiling Point:	No data available.
Flash Point:	74.5° C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Explosive limits:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Specific Gravity:	0.820 - 0.930 @ 20° C (68° F)
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Partition coefficient: (n-octanol/water)	No data available.
Autoignition Temp:	No data available.
Decomposition Temp:	No data available.
Viscosity:	No data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	In the event of a fire, carbon dioxide may be formed. In the event of a fire, carbon monoxide can be formed.
Chemical Stability:	Stable under normal conditions. Hazardous polymerisation does not occur.
Hazardous Reactions:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).
Incompatible Materials:	Strong oxidizing agents.
Hazardous Combustion or Decomposition Products:	CO. CO2.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation:	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.
Skin Contact:	Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause irreversible damage to skin: namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. May cause an allergic skin reaction.
Eye Contact:	May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.
Ingestion:	No additional information available.

SECTION 11.2 RELATED SYMPTOMS



Inhalation: Refer to section 4.2
Skin Contact: Refer to section 4.2
Eye Contact: Refer to section 4.2
Ingestion: Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION

Delayed/Chronic Effects: May cause allergic reactions on skin, may result in difficulty breathing.
Toxicity: No additional information available.
Carcinogenic: Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity: No additional information available.
Persistence and Degradability: No additional information available.
Bio-accumulative: No additional information available.
Mobility in Soil: No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects: No additional information available.

SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method: Do not contaminate ground and surface water. Recycling is preferred to disposal or incineration. 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.
Contaminated Packaging Disposal Method: Empty container completely. Keep label on container. Recycle or dispose of in compliance with current legislation.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land): Not regulated
IATA Shipping (Air): Not regulated
IMDG Shipping (Boat): Not regulated
Proper Shipping Name: Not regulated/Non Hazardous Substance
UN #: Not regulated
Hazard Class: Not regulated
Packaging Group: Not regulated

SECTION 15. REGULATORY INFORMATION



US Federal Regulations: Ingredients listed on the United States TSCA (Toxic Substances Control Act) inventory.

International Regulations: Ingredients listed on the Canadian DSL (Domestic Substances List)

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS): N/A
Flammability Hazard (HMIS): N/A
Physical Hazard (HMIS): N/A
Sara 313: None
California Proposition 65: Product contains Eugenol and Myrcene.

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