

Material Safety Data Sheet

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

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Orange Essential Oil
CAS #: 8008-57-9
EINECS #: 232-433-8

SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions
Address: 57 N 1380 W, Orem, UT, 84057
Telephone No: 801-872-9500

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 3
Skin Corrosion/Irritation 2
Sensitization - Skin 1B
Aspiration Hazard
Aquatic Acute Environment 1
Aquatic Chronic Environment 1

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Danger
Hazard Pictograms:



Hazard Statement: H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.

Precautionary Statement: P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Explosion-free electrical equipment and lighting with earth.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.

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P332+P313 If skin irritation occurs: 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.
P363 Wash contaminated clothing before reuse.
P301+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P405 Store locked up.
P273 Avoid release to the environment.
P391 Collect spillage.
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

Product Name	CAS #	EC #	Concentration
Orange	8008-57-9	232-433-8	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact:	Do not apply (chemical) neutralizing agents. Rinse immediately with plenty of water. Consult an eye specialist. Obtain medical attention if pain, blinking or redness persists.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest.
Ingestion:	Ingestion of large quantities: immediately to hospital. Rinse mouth with water, do not induce vomiting, call a doctor. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
Skin Contact:	Wash skin with plenty of water. Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label.) If skin irritation or rash occurs.

SECTION 4.2 SYMPTOMS

Eye Contact:	Irritation of the eye tissue.
Inhalation:	May cause an allergic skin reaction.
Ingestion:	May be fatal if swallowed and enters airways.
Skin Contact:	Slight irritation.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment:	Treat symptomatically.
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SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media:	CO2. Polyvalent Foam. BC-Powder. Foam. Dry Powder. Sand.
Unsuitable Extinguishing media:	Water.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical:	Flammable. Gas/vapor flammable with air within explosion limits. Explosion risk in case of fire. Sparks can induce fire of vapors. May form flammable/explosive vapor-air mixture.
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SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting:	Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
Protective equipment:	Equip cleanup crew with proper protection.
Environmental Precautions:	Prevent liquid from entering sewers, watercourses, underground or low areas. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up:	On land, sweep or shovel into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into absorbent material. Collect spillage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials.
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SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling:	Do not discharge the waste into the drain. Do not use compressed air for pumping over spills. Keep away from sources of ignition - No smoking. Measure the concentration in the atmosphere. Keep container tight closed. Comply with local regulations for disposal. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapors/spray.
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SECTION 7.2 CONDITIONS FOR SAFE STORAGE

Conditions for safe storage:	Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
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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:	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Hand Protection:	Wear protective gloves.
Skin and Body Protection:	Protective clothing. Wear suitable protective clothing.
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 8.3 ADDITIONAL INFORMATION

Other: Do not eat, drink, or smoke during use.

SECTION 9.1 PHYSICAL PROPERTIES

Appearance: Thin, yellowish orange to golden brown liquid.
Odor: Middle note with a medium aroma, Orange Essential Oil has a sweet, citrus smell like the orange peels from which it is derived, but more intense and concentrated.
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: 45° C
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Explosive limits: No data available.
Vapor Pressure: 1 hPa (0.8 mm Hg)
Vapor Density: No data available.
Specific Gravity: 0.830 - 0.854 @ 25° C (77° F)
Solubility: No data available.
Partition coefficient:
(n-octanol/water) No data available.
Autoignition Temp: No data available.
Decomposition Temp: No data available.
Viscosity: Mobile Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No additional information available.
Chemical Stability: Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
Hazardous Reactions: No dangerous reactions known.
Incompatible Materials: Strong acids. Strong bases.
Hazardous Combustion
or Decomposition Products: CO. CO2. May release flammable gases.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation: May cause an allergic skin reaction.

Skin Contact:	Slight irritation. Causes skin irritation.
Eye Contact:	Irritation of the eye tissue.
Ingestion:	May be fatal if swallowed and enters airways.

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:	Very toxic to aquatic life with long lasting effects.
Persistence and Degradability:	Biodegradability in water. May cause long-term adverse effects in the environment.
Bio-accumulative:	No additional information available.
Mobility in Soil:	No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects:	Avoid release to the environment.
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SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method:	Comply with local regulations for disposal. Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant.
Contaminated Packaging Disposal Method:	Handle empty containers with care because residual vapors are flammable.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land):	Not regulated
IATA Shipping (Air):	Regulated
IMDG Shipping (Boat):	Regulated. Marine Pollutant: Yes.
Proper Shipping Name:	Extracts, Aromatic, Liquid
UN #:	1197
Hazard Class:	3
Packaging Group:	III

SECTION 15. REGULATORY INFORMATION

US Federal Regulations:	Listed on the United States TSCA (Toxic Substances Control Act) inventory
International Regulations:	Listed on the Canadian DSL (Domestic Substances List)

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS):	0 Minimal Hazard
Flammability Hazard (HMIS):	3 High Hazard
Physical Hazard (HMIS):	0 Minimal Hazard
Sara 313:	None
California Proposition 65:	This product contains trace amounts of naturally occurring Beta-Myrcene. Product is California Proposition 65 compliant.

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