



TREAT YOUR SOUL

NEROLIE ESSENTIAL OIL

SAFETY DATA SHEET

975 Lunt Avenue, Schaumburg, IL60193 USA | Phone: +1(800)809-4941

Company Name: **SULU ORGANICS LLC**
Company Address: 975 Lunt Avenue, Schaumburg, IL 60193 USA.
Business Phone: (800)809-4941
Website: www.thesulu.com
Email: info@thesulu.com
Emergency Telephone Number: **(800)809-4941**
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2. Composition/Ingredient Information

H-No:	3301.29.61	CAS No:	8016-38-4	Status:	Natural
CoE No:	136	FEMA	2771	Additives:	None
FDA	182.20	IFRA	not restricted	RTECS:	-
RIFM	-	EINECS:	232-433-8	FCCIV:	-
INCI name	<i>Citrus aurantium flower oil</i>				

3. Hazards Identification

Concentrated product. Do not ingest. Observe good housekeeping procedures.

4. First Aid Procedure

Inhalation	Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
Eye contact	Rinse immediately with plenty of cold water for at least 5 minutes. Contact a doctor if symptoms persist.
Skin contact	Remove contaminated clothes. Wash thoroughly with soap and water, flush with plenty of water. If irritation persists seek medical attention.
Ingestion	Rinse mouth out with soap and water. Seek medical advice at once. Do NOT induce vomiting unless directed to do so by medical personnel.
Other	When assessing action take Risk and Safety Phrases (section 15) into account

5. Firefighting measures

Suitable extinguishing media	Use CO2 dry powder or foam type of extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special measures	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus and protective clothing.
Extinguishing procedures	Closed containers may build up pressure when exposed when exposed to heat and should be cooled with water spray.

6. Accidental release measures

Personal precautions	Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof boots, suitable protective clothing) in case of major spillages.
Environmental precautions	Keep away from drains, soils, surface and ground waters.
Methods for cleaning up	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic material, or sweep up and remove to an approved disposal container. Observe state, federal and local disposal regulations.

7. Handling and storage

Handling	Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene and do not eat, drink or smoke whilst handling. Avoid static discharge
Storage	Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.
Fire protection	Keep away from ignition sources and naked flames. Take precautions to avoid static discharge in working areas.

8. Exposure controls/Personal protection

Respiratory protection	Avoid breathing product vapour. Apply local ventilation where possible.
Ventilation	Ensure good ventilation of working area.
Hand protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye protection	Use safety glasses.
Work/hygiene practices	Wash hands with soap and water after handling.

9. Physical and chemical properties

Colour	Pale yellow to amber
Appearance	Mobile liquid
Odour	Sweet Floral with citrus undertone
Flash point ⁰ C	72
pH	-
Specific gravity d_{20}^{20}	0.910 - 0.935
Optical rotation @ 20 ⁰ C	-
Refractive index @ 20 ⁰ C	1.465 - 1.480
Solubility in 75% ethanol @ 20 ⁰ C	-
Solubility in vegetable oils	Soluble
Solubility in water	Slight
Typical analysis of major components	α -pinene, β -pinene, limonene, linalool, α -terpineol, geranio, nero, trans-nerolidol, farnesol., benzyl alcohol, linalyl acetate, neryl acetate, geranyl acetate, methyl anthranilate B, jasmone, cis-heptadec-8-ene, 2,5-dimethyl-2-vinyl-hex-4-enal
Lethal Dose 70kg Adult (ml)	389

10. Stability and reactivity

Reactivity	It presents no significant reactivity hazards, by itself or in contact with strong acids, alkalis or oxidising agents.
Decomposition	Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological information

LD50 Oral > 2000mg/Kg

12. Ecological information

Biodegradability	Data not available.
Precautions	Prevent surface contamination of soil, ground and surface water.

13. Disposal considerations

Waste material	Avoid disposing to a drainage system and into the environment. Seek expert advice.
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14. Transport information

UN Number	1993
Shipping Class	3
HS Commodity Code	33019090
Proper Shipping Name	Flammable Liquid, N.O.S (not viscous)
Road (ADR/RID)	1993
Air (IATA/ICAO)	1993
Sea (IMDG)	1993
Environmental Hazards	Toxic to aquatic life, harmful to the environment.

15 Regulatory information

Hazards H304 May be fatal if swallowed and enters airways, H315 Causes skin irritation, H317 May cause an allergic skin reaction, H318 Causes serious eye damage, H373 May be harmful to aquatic life with long lasting effects

Symbols



Risk Phases

R38 Irritating to skin, R43 May cause sensitisation by skin contact, R51/53 Toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment, R65 Harmful: may cause lung damage if swallowed

Safety Phases

S24 Avoid contact with skin, S37 Wear suitable gloves, S61 Avoid release to the environment. Refer to special instructions / safety data sheets, S62 If swallowed, do not induce vomiting: seek medical advice immediately.

Precautionary Statements

P272 Contaminated work clothing should not be allowed out of the workplace, P273 Avoid release to the environment, P280 Wear protective gloves/protective clothing/eye protection/face protection, P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary Precautionary Statements

P501 Dispose of contents/container according to local / national and regional rules and regulations.

16. Other information

Cosmetics Directive 7th Amendment: Restrictions apply. A source of Citral, Geraniol, Citronellol, Hydroxycitronellal, Limonene and Linalool, listed as sensitisers. Check maximum usage levels for skin care products.

Packaging

	Type and suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

Shelflife

Minimum 12 months when stored in the advised conditions.

QC requirements

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

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