GREEN VALLEY LABORATORY

Safety Data Sheet

16-section SDS format aligned with OSHA Hazard Communication Standard Appendix D / GHS structure

SECTION 1 - Identification

1.1 Product identifier

Product Identifier	Neroli EO (5% Dilution), ORG
Other Means of Identification	Neroli essential oil, 5% in sweet almond oil
INCI Name	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Citrus Aurantium Amara Flower Oil, Tocopherol
Product Type	Mixture. Liquid.

1.2 Relevant identified uses

Recommended Use	Manufacturing and cosmetic purposes: fragrance and cosmetic ingredient.
Restrictions on Use	For professional / manufacturing use. Not for use in eye products (see IFRA restrictions for neroli oil).

1.3 Details of the supplier of the Safety Data Sheet

Supplier Name	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a

1.4 Emergency telephone number

Emergency Phone No.	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) - +1 703-527-3887 (Europe)

SECTION 2 - Hazard Identification

2.1 Classification of the mixture (GHS / Regulation (EC) No 1272/2008)

Skin Sensitization, Category 1B (H317)

Hazardous to the Aquatic Environment, Long-term (Chronic), Category 2 (H411) (EU CLP / GHS; not an OSHA hazard class)

Basis: calculation method, from the classification of the neroli oil component (Section 3) at 4.5 - 5.5% and the generic concentration limits (Skin Sensitizer Category 1B at 1% or more; Aquatic Chronic: neroli oil Chronic 1, M = 1, multiplied by 10, at 25% or more gives Category 2). Serious eye damage / eye irritation: not classified. Skin irritation, aspiration hazard and acute aquatic hazard are below their mixture thresholds. Flammable liquid: not classified; flash point >200°C (392°F) Closed Cup.

2.2 Label elements

Signal Word	Warning
Hazard Pictogram	
H317	May cause an allergic skin reaction.

H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Contains tree nut (almond) derived oil. Contains naturally occurring fragrance allergens from the neroli oil (including linalool and limonene), which may form sensitizing oxidation products on prolonged exposure to air.

SECTION 3 - Composition / Information on Ingredients

3.2 Mixtures

Component / INCI Name	CAS No.	EC No.	Concentration (%)	Classification (component)
Prunus Amygdalus Dulcis (Sweet Almond) Oil	8007-69-0		Balance	Not classified
Citrus Aurantium Amara Flower Oil (neroli oil)	8016-38-4 / 72968-50-4	277-143-2	4.5 - 5.5	Skin Irrit. 2 H315; Skin Sens. 1B H317; Asp. Tox. 1 H304; Aquatic Acute 1 H400; Aquatic Chronic 1 H410
Tocopherol	1406-18-4		0.2	Not classified

Hazardous constituents contributed by the neroli oil (calculated)

Constituent	CAS No.	In the mixture (%)
Linalool	78-70-6	1.8 - 2.8
Limonene	5989-27-5	0.7 - 1.1
Linalyl Acetate	115-95-7	0.4 - 0.7

Constituent ranges are calculated from the neroli oil composition in its Safety Data Sheet and the neroli oil content of this mixture.

SECTION 4 - First Aid Measures

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.
Skin Contact	Wash with plenty of soap and water. Remove contaminated clothing. If skin irritation or rash occurs, get medical advice.
Inhalation	Move person to fresh air. Seek medical attention if symptoms occur.
Ingestion	Rinse mouth. Do not induce vomiting. Call a poison center or physician if you feel unwell.
Most Important Symptoms / Effects	Allergic skin reaction in sensitized individuals.
Indication of Immediate Medical Attention	Treat symptomatically.

SECTION 5 - Fire Fighting Measures

Suitable Extinguishing Media	Carbon dioxide, dry chemical, foam, water spray.

Unsuitable Extinguishing Media	Do not use a direct water jet on burning oil.
Specific Hazards	Not classified as flammable (flash point >200°C (392°F) Closed Cup). Will burn if involved in a fire. Combustion may produce carbon monoxide, carbon dioxide and irritating fumes.
Special Protective Equipment	Self-contained breathing apparatus and complete protective clothing.

SECTION 6 - Accidental Release Measures

Personal Precautions	Wear eye protection and gloves (Section 8). Spilled oil is slippery. Remove ignition sources.
Environmental Precautions	Avoid release to the environment. Prevent entry into drains, sewers and waterways.
Containment / Cleanup	Absorb with sand, earth or other inert absorbent material. Place in a suitable labeled container for disposal. Oil-soaked absorbents may self-heat: keep them wet or in a closed metal container.
Reference to Other Sections	See Section 8 for protective equipment and Section 13 for disposal.

SECTION 7 - Handling and Storage

Precautions for Safe Handling	Avoid contact with eyes and skin. Avoid breathing mist. Keep away from heat and ignition sources. Use good manufacturing and hygiene practices.
Hygiene Measures	Do not eat, drink or smoke when using this product. Wash hands after handling.
Storage Conditions	Store in tightly closed containers in a cool, dry place, protected from light, with minimal air contact.
Incompatibilities	Strong oxidizing agents.

SECTION 8 - Exposure Controls / Personal Protection

Occupational Exposure Limits	No limits established for the components.
Engineering Controls	Ensure good ventilation of the work station.
Eye / Face Protection	Chemical safety goggles or face shield.
Skin Protection	Protective gloves (nitrile). Wear suitable protective clothing.
Respiratory Protection	Not normally required. In case of insufficient ventilation or mist generation, wear suitable respiratory equipment.

SECTION 9 - Physical and Chemical Properties

Property	Value
Physical State	Liquid
Color	Characteristic
Odor	Characteristic of neroli
Odor Threshold	No data available
pH	Not applicable (non-aqueous)
Melting Point / Freezing Point	No data available
Boiling Point / Range	No data available
Flash Point	>200°C (392°F) Closed Cup
Evaporation Rate	No data available
Upper / Lower Flammability Limits	No data available
Vapor Pressure	No data available

Vapor Density	No data available
Specific Gravity	No data available
Solubility	Insoluble in water; soluble in oils
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10 - Stability and Reactivity

Reactivity	Non-reactive under normal conditions of use and storage.
Chemical Stability	Stable under recommended storage conditions. Prolonged exposure to air, heat and light promotes oxidation.
Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	Heat, flames, direct light and prolonged air contact.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Combustion may produce carbon monoxide and carbon dioxide.

SECTION 11 - Toxicological Information

Likely Routes of Exposure	Skin contact, eye contact, inhalation of mist, accidental ingestion.
Acute Toxicity	Not classified. No mixture-specific data available. Component data (neroli oil): LD50 oral rat > 5,000 mg/kg; LD50 dermal rabbit > 8.5 g/kg.
Skin Corrosion / Irritation	Not classified (neroli oil, Skin Irrit. 2, is below the 10% threshold).
Serious Eye Damage / Irritation	Not classified. No mixture-specific test data available.
Respiratory or Skin Sensitization	Skin Sensitization Category 1B, by calculation: neroli oil (Skin Sens. 1B) at 4.5 - 5.5% and its linalool constituent (Skin Sens. 1B) at 1.8 - 2.8%, both above the 1% concentration limit.
Germ Cell Mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT - Single / Repeated Exposure	Not classified based on available information.
Aspiration Hazard	Not classified (neroli oil, Asp. Tox. 1, is below the 10% threshold).

SECTION 12 - Ecological Information

Ecotoxicity	Aquatic Chronic Category 2, by calculation. Component data (neroli oil): EL50 Daphnia (48 h) 1.1 mg/l; NOEL Daphnia (48 h) 0.48 mg/l. Linalyl acetate: LC50 fish (96 h) 11 mg/l; EC50 Daphnia (48 h) 6.2 mg/l.
Persistence and Degradability	Component data: neroli oil readily biodegradable.
Bioaccumulative Potential	Component data: neroli oil not bioaccumulative.
Mobility in Soil	No data available.
Results of PBT and vPvB Assessment	No PBT or vPvB substances present.

SECTION 13 - Disposal Considerations

Waste Treatment Methods	Dispose of contents and container in accordance with applicable local, state, federal and international regulations.

Product Disposal	Do not discharge to drains or waterways. Use an authorized waste disposal contractor.
Container Disposal	Empty containers may retain residue. Dispose of or recycle containers in accordance with applicable regulations.

SECTION 14 - Transport Information

Regulation	UN Number	Proper Shipping Name	Class	Packing Group
DOT (ground, non-bulk)	Not regulated	Not applicable	Not applicable	Not applicable
IMDG	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Citrus Aurantium Amara Flower Oil)	9	III
IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Citrus Aurantium Amara Flower Oil)	9	III

Environmentally hazardous (Aquatic Chronic 2). Single or inner packagings of 5 L or less are not subject to the dangerous goods provisions under IMDG 2.10.2.7, IATA Special Provision A197 and ADR Special Provision 375.

SECTION 15 - Regulatory Information

OSHA Hazard Communication	Hazardous: Skin Sensitization Category 1B.
Cosmetic Use	INCI names from the EU CosIng database and the component documents. The neroli oil contains fragrance allergens listed in Annex III of Regulation (EC) No 1223/2009; labelling of the finished product depends on their final concentration. IFRA maximum use levels apply to the neroli oil content of this mixture (see the IFRA statement for neroli oil).
Allergen Information	Contains tree nut (almond) derived oil.
U.S. / International Inventories	Inventory status has not been fully determined for the mixture.

SECTION 16 - Other Information

Prepared By	Green Valley Laboratory
Issue Date	November 11, 2026
Version	1.0
Data Basis	Prepared from the Green Valley Laboratory composition of this dilution, the Green Valley Laboratory Safety Data Sheets for neroli essential oil, sweet almond oil and mixed tocopherols, and the calculation method of Regulation (EC) No 1272/2008 Annex I and the OSHA Hazard Communication Standard Appendix A. Flash point as for the sweet almond oil carrier (Green Valley Laboratory Almond Oil Sweet Virgin Organic SDS).

DISCLAIMER

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