Aromatics LLC
247 Westgate Way
Florence, Montana 59833
406-273-9833
Date updated: August 25, 2025

SAFETY DATA SHEET

SECTION 1: Identification of the substance

Product identifiers

Product name: Neroli/Petitgrain Essential Oil (co-distill)

Latin name: Citrus aurantium var amara

CAS #: 8016-44-2

EINECS #: n/a

FDA #: n/a

Recommended Use: Aromatherapy, for external use only.

Supplier:

Aromatics International
247 Westgate Way
Florence, Montana 59833
United States
Phone: 406-273-9833

Emergency Phone Number: National Poison Control Center (all times) 1-800-222-1222

SECTION 2: Hazards identification

Concentrated product. Do not ingest, use good housekeeping procedures when handling.
May cause irritation to the eyes and skin.
May be fatal if swallowed and enters airways.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Aspiration Hazard - Category 1
Skin Corrosion/Irritation - Category 2
Skin sensitization - Category 1
Hazardous to the aquatic environment Long term/Chronic - Category 3

GHS Label elements, including precautionary statements:
H226 – Flammable liquid and vapour
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.
H400 – Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to an approved waste disposal plant.

Pictogram:

Signal word: Danger

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Hazards not otherwise classified (HNOC) or not covered by GHS:
May cause skin irritation/allergy. Patch test recommended.

SECTION 3: Composition/information on ingredients

Substance:
Chemical identity: n/a
Common name: Neroli/Petitgrain Essential Oil (co-distill)
CAS number: 8016-44-2

Representative dangerous substances:
In a sufficiently high concentration to give it the toxicological properties that it would have in 100% pure state.
No known substances in this category.

Other dangerous substances:
No known substances in this category.

Substances in a concentration below the minimum danger threshold:
No known substances in this category.

Other substances with occupational exposure limit values:
No known substances in this category.

SECTION 4: First aid measures

General advice:
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled:
Not likely under normal conditions of use. If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact:
No harmful effect with normal skin. Wash off with soap and plenty of water. Consult a physician if irritation occurs.
In case of eye contact:
Check for and remove any contact lenses. Flush eyes with water for 15 minutes as a precaution. Consult with a physician if irritation occurs.
If swallowed:
Not an expected route of exposure. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water or milk. Consult a physician.
Most important symptoms and effects, both acute and delayed:
The most important known symptoms and effects are described in the labeling. (See section 2)
Indication of any immediate medical attention and special treatment needed:
No data available

SECTION 5: Firefighting measures

Extinguishing media:
Small (incipient) fires must be extinguished with alcohol resistant foam, dry chemical powder, or carbon dioxide. Large amounts of water are ineffective. Cool containers with large amounts of water.
Special hazards arising from the substance or mixture:
No data available
Advice for firefighters:
Wear self-contained breathing apparatus for firefighting if necessary.
Further information:
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures:
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. For personal protection see section 8.
Environmental precautions:

Prevent further leakage or spillage if safe to do so. Contain any spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to enter drains.

Methods and materials for containment and 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 (see section 13). Keep in suitable, closed containers for disposal.

Reference to other sections:

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Avoid inhalation of vapor or mist. Keep away from sources of ignition - no smoking. Take measures to prevent the buildup of electrostatic charge. Wear suitable clothing and avoid inhalation. Make sure there is good ventilation in the workplace. Do not allow contact with eyes, and wash hands after handling. For precautions, see section 2.

Conditions for safe storage, including any incompatibilities:

Store in tightly closed glass container. Store in cool area, away from heat, light and other sources of ignition.
Keep in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature 18 - 21 °C.
Light sensitive.
Storage class (TRGS 510): 10: Combustible liquids.

Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

Control parameters:

Components with workplace control parameters

Exposure controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment:

Eye/face protection:

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Impervious 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).

Control of environmental exposure:

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

SECTION 9: Physical and chemical properties

Appearance: Clear to light yellow liquid
Odor: Exotic, sensual, floral, green
Relative density: n/a
Specific gravity: n/a
Refractive index: n/a
Optical rotation: n/a
Flash point: 66-75˚ C
Solubility: Insoluble in water
pH: n/a
Melting/freezing point: n/a
Initial boiling point and range: n/a
Evaporation rate: n/a
Flammability: n/a
Upper/lower flammability or explosive limits: n/a
Vapor pressure: n/a
Vapor density: n/a
Auto ignition: n/a
Decomposition temperature: n/a

SECTION 10: Stability and reactivity

Reactivity:
n/a
Chemical stability:
Stable under recommended handling and storage conditions, see section 7.
Possibility of hazardous reactions:
When exposed to high temperatures, the substance may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide.
Conditions to avoid:
Heat, flames, and sparks.
Incompatible materials:
Alkali metals, ammonia, oxidizing agents, peroxides strong inorganic acids.
Hazardous decomposition products:
In the event of fire, see section 5.

SECTION 11: Toxicological information

Acute toxicity
LD50 Oral > g/kg
LD50 Dermal > g/kg
Inhalation: n/a
Skin corrosion/irritation:
May be irritating to the skin.
Serious eye damage/eye irritation:
Eye exposure to essential oils may irritate the eyes. Prompt rinsing and removal of the substance will avoid damage.
Inhalation:
n/a
Ingestion:

Potential for aspiration if swallowed and may cause lung damage. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Germ cell mutagenicity:

n/a

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity:

n/a

Specific target organ toxicity - single exposure:

n/a

Specific target organ toxicity - repeated exposure:

n/a

Additional Information:

RTECS: OF6110000

Dermatitis, to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

LD50 dosage levels are only a guideline obtained from historical data, products aren't tested on animals.

SECTION 12: Ecological information

Toxicity:

n/a

Persistence and degradability:

Biodegradation is expected

Bioaccumulative potential:

Bioaccumulation is unlikely

Mobility in soil:

n/a

Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects:

Avoid exposure to marine environments and waterways

SECTION 13: Disposal considerations

Waste treatment methods

Product:

Should not be released into the environment. Observe all federal, state, and local environmental regulations. Dispose of in accordance with local regulations and environmental legislation. For extreme situations, contact a licensed professional waste disposal service. To minimize exposure, see section 8.

SECTION 14: Transport Information

UN number: 3082

UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Neroli/Petitgrain co-distill essential oil)
Transport hazard class(es): Flammable – Class 9
Packing group: III
Environmental hazards: Environmentally hazardous substance, liquid, n.o.s. (Neroli/Petitgrain co-distill essential oil)

Transport in bulk: n/a
Special precautions: n/a

SECTION 15: Regulatory Information

n/a

SECTION 16: Other Information

Packaging:
Suitable for glass, aluminum, F/HDPE. Do not use other plastics.
Quality Assurance:
As the users' conditions of work are not known, the information contained in this Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed, or implied, regarding its' correctness or accuracy. It is the users' responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.