



Aromatics LLC
247 Westgate Way
Florence, Montana 59833
406-273-9833
Date updated: September 28, 2022

SAFETY DATA SHEET

SECTION 1: Identification of the substance

Product identifiers

Product name: Geranium essential oil

Latin name: Pelargonium graveolens var. roseum

CAS #: 8000-46-2

EINECS #: 90082-51-2

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
Serious eye damage/eye irritation, Category 1
Hazardous to aquatic environment Long term/Chronic, Category 3

GHS Label elements, including precautionary statements:

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.

H412 - Harmful to aquatic life with long lasting effects.

P102 - Keep out of the reach of children.

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

P331 – Do NOT induce vomiting.

P405 – Store locked up.

P501 – Dispose of contents/container to an approved waste disposal plant.

P264 –Wash hands thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 – IF ON SKIN: Wash with plenty of water/soap.

P362 + P364 – Take off contaminated clothing and wash it before reuse.

P261 –Avoid breathing dust/fume/gas/mist/vapours/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.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER/doctor/physician.

P273 – Avoid release to the environment.

Pictogram:

Signal word: Danger

Hazard statement(s):

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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: Geranium essential oil

CAS number: 8000-46-2

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 to occur 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 for 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.

If swallowed:

Not an expected route of exposure. In the event of swallowing, 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:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

Methods and materials for containment and cleaning up:

Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers.

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. 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: Transparent, greenish to yellow liquid

Odor: Fresh, herbaceous, rosy, sweet

Relative density: @20°C / 0.899

Refractive index: @20°C / 1.4567

Specific gravity: @20°C / 0.894

Optical rotation: -13.5°C

Flash point: 90°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:

Do not pour into drains or waterways. Observe all federal, state, and local environmental regulations. Member State-specific and Community-specific provisions must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste

minimization be practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewater. In extreme situations, contact a licensed professional waste disposal service to dispose of this material.

Waste:

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. 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. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Soiled packaging:

Empty all containers completely. Keep label(s) on every container. Give to a certified disposal contractor.

SECTION 14: Transport Information

UN number: UN 3082

UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s

Transport hazard class(es): Class 9 miscellaneous



Packing group: III

Environmental hazards: Harmful to aquatic life with long lasting effects. Avoid exposure to waterways.



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.