

Section 1. Product and Company Identification

Product Name Geranium Oil
CAS Number 8000-46-2

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 1
Skin Sensitization - Category 1B
Reproductive Toxicity - Category 2
Aspiration Toxicity - Category 1
Flammable Liquids - Category 4

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements

Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction
Suspected of damaging fertility or the unborn child
May be fatal if swallowed and enters airways
Combustible liquid

Precautionary Statements

Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood



Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Keep away from flames and hot surfaces. - No smoking

Response

IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor
IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
In case of fire: Use CO₂, dry chemical, or foam to extinguish

Storage

Store locked up
Store in a well-ventilated place. Keep cool

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

Harmful to aquatic life with long lasting effects
Toxic to aquatic life
25.25 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3. Composition / Information on Ingredients

Common Name Geranium Oil
Synonym(s) Pelargonium graveolens flower oil
CAS Number 8000-46-2

COMPONENT	CAS NUMBER	CONCENTRATION
Geranium Oil	8000-46-2	100%

Section 4. First Aid Measures

Description of first-aid measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact: Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.



Ingestion: Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use CO₂, dry chemical, or foam.

Unsuitable extinguishing media: N/A

Specific hazards arising from the chemical: Combustible material.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Special protective actions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.



Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Avoid contact with skin and eyes. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible materials: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ALPHA-PINENE (CAS# 80-56-8)	TWA: 20 ppm	-	-

Appropriate engineering controls

Engineering controls: Showers; Eyewash stations; Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Avoid contact with skin.

Respiratory protection: Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink, or smoke. Avoid contact with skin, eyes, or clothing.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Clear

Color: Pale Yellow to Dark Yellow

Odor: Characteristic Odor



Odor threshold: Not applicable
pH: Not applicable
Melting point / freezing point: Not applicable
Boiling point / boiling range: No data available
Flash Point: 74°C / 165°F
Evaporation Rate: Not applicable
Flammability (solid, gas): Not applicable

Flammability Limit in Air

Upper flammability limit: Not applicable
Lower flammability limit: Not applicable

Vapor pressure: 0.002
Vapor Density: Not applicable
Specific gravity: 0.8945
Water solubility: Not applicable
Solubility in other solvents: Not applicable
Partition coefficient: Not applicable
Auto-ignition Temperature: Not applicable
Decomposition temperature: Not applicable
Kinematic viscosity: No data available
Dynamic viscosity: Not applicable
Explosive properties: Not applicable
Oxidizing properties: Not applicable

Other Information

Softening point: Not applicable
Molecular weight: Not applicable
VOC content (%): Not applicable
Density: Not applicable
Bulk Density: Not applicable

Section 10. Stability and Reactivity

Reactivity: No Data available
Chemical stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: None under normal processing.
Conditions to avoid: Extremes of temperature and direct sunlight. Heat, flames and sparks.
Incompatible materials: None known based on information supplied.
Hazardous Decomposition Products: None known based on information supplied.



Section 11. Toxicological Information

Information on likely routes of exposure

Product Information: No data available

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Avoid contact with eyes. Risk of serious damage to eyes.

Skin contact: May cause sensitization by skin contact. Avoid contact with skin. Irritating to skin.

Ingestion: Potential for aspiration if swallowed.

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/eye irritation: Risk of serious damage to eyes.

Corrosivity: Risk of serious damage to eyes.

Sensitization: May cause sensitization by skin contact.

Germ cell mutagenicity: None known.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene (CAS# 5989-27-5)		Group 2A Group 3		X

Reproductive toxicity: Contains a known or suspected reproductive toxin. May cause harm to the unborn child. Indirect natural Rose oxide.

STOT - single exposure: Not classified.

STOT - repeated exposure: Not classified.

Aspiration hazard: May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown acute toxicity: 25.25% of the mixture consists of ingredient(s) of unknown toxicity

Section 12. Ecological Information

Ecotoxicity: Toxic to aquatic life Harmful to aquatic life with long lasting effects

36.684 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available



Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT

UN Number: UN1169

Proper Shipping Name: Extracts, Aromatics, Liquid

Hazard Class: 3

Packing group: III

Section 15. Regulatory Information

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: Yes

Sudden release of pressure hazard: No

Reactive Hazard: No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Alpha-Pinene (CAS# 80-56-8)	X	X	X	



Para-Cymene (CAS# 99-87-6)		X	X	
Cis-3-Hexenol (CAS# 928-96-1)			X	

U.S. EPA Label information

EPA Pesticide registration number: Not applicable

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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