

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Identification
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GERANIUM OIL

Corporation Identification

=== Responsible Party ===

Company Name: PEKING UNIVERSITY ZOTEQ CO.,LTD.

Country: CHINA

Info Phone Num: 86-21-36162014/24/34

Emergency Phone Num:86-21--36161061

=== Contractor Identification ===

Company Name:PEKING UNIVERSITY ZOTEQ CO.,LTD.

ADDRESS: Block 3, No.699, Zhenchen Road,

CITY:SHANGHAI

ZIP: 200444

Country: CHINA

Phone:86-21-36162014/24/34

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Section 2. Composition/Information of Ingredients
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CAS No.: 8000-46-2

FEMA No.: NA

Molecular Formula: NA.

Synonyms: none known
=====Section 3. First-Aid Measures
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Eye Contact Aid: Flush immediately with cold clean water for at least 15 minutes, contact physician immediately.

Skin Contact Aid: Thoroughly wash the affected area with soap and water. Flush with large quantities of water. If irritation persists, call a physician.

Inhalation Aid: Remove individual to fresh air, contact physician if necessary

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Ingestion Aid: Administer water or milk to dilute. Contact a physician or local poison control center immediately.

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Section 4. Fire Fighting Measures
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Extinguishing Media: CO₂; Foam; Dry Chemical

Special Fire Fighting Procedure: Wear protective clothing to prevent contact with skin and eyes

Unusual Fire and Explosion Hazards: Not Established
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Section 5. Accidental Release Measures
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Procedure: Remove any source of flame or sparks. If in a confined area, NIOSH approved respiratory protection may be required. Absorb spills with vermiculite or other suitable material, and remove to an approved disposal container. Dispose of in accordance with current laws and regulations.
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Section 6. Handling and Storage
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Storage/Handling: Store in tight full containers in a cool dry place away from light.
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Section 7. Exposure Controls/Personal Protection
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Eyes: The use of Goggles or a face shield is recommended.

Respiratory: Respiratory protection is normally not required in well ventilated areas. However, NIOSH approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

Other Protective Devices: Chemical resistant gloves are recommended.

Ventilation: Ventilation meeting ACGIH Standards should be employed.

Work/Hygienic Practices: Use good personal hygiene practices; Limit exposure to product whenever possible.

Wash any contaminated clothing or shoes before each use.
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Section 8. Physical and Chemical Properties
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Appearance and Odor: A yellowish brown to green oil having a strong heavy rose-like odor with a characteristic minty top note.

Hazardous Ingredients:

Boiling Point °C: NA Melting Point °C: NA

Vapor Density: Not Available Vapor Pressure: NA

Specific Gravity (@20°C): 0.8860 to 0.8930

Specific Gravity (@25°C): 0.8830 to 0.8900

Refractive Index (@20°C): 1.4629 to 1.4680

Solubility: Water: insoluble

Fat: Not Available

Flash Point: 115 F (Tag Closed Cup)

46 C (Tag Closed Cup)

Flammability (solid, gas): NA

Autoflammability: NA

Explosive Properties: NA

Oxidizing Properties: NA

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Section 9. Stability and Reactivity

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Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None

Materials and/or conditions to avoid: None

Stability:

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Section 10. Toxicological Information

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Threshold Limit Value (ACGIH TLV): None Established

Threshold Limit Value (OSHA PEL): None Established

Carcinogenicity:

NTP Monograph: None Established

IARC Monograph: None Established

Acute Toxicity Data:

Oral LD50: None Established

Dermal LD50: None Established

Inhalation LC50: None Established

Health Hazards (Acute and Chronic):

Ingestion: None Established

Inhalation: None Established

Skin Contact: Liquid May be Irritating

Eye Contact: Liquid May be Irritating

Note: The above effects are based on evaluation of individual components and the relevancy to the mixture as whole or to humans is unknown

Other Effects: None Established

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Section 11. Ecological Information

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Biodegradability:

Aquatic Toxicity: NOT DETERMINED

Bioaccumulation Potential:
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Section 12. Transport Information
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Proper Shipping Name: NA

UN#: NA

UN Pkg Group: NA

ERG#: NA

Air/Steamer Transport Information:

Class

Air NA

Steamer

Required Labels: FLAMMABLE LIQUID
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Section 13. Other Information
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Hazardous Materials Identification System

Health: 1 Flammability: 2 Reactivity: 0 Personal Protection: B

4-Extreme 3-High 2-Moderate 1-Slight 0-No Significant Hazard
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Section 14. Regulatory
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R-Phase: R(10)-65

S-Phase: S62
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Section 15. Conclusion
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