

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Identification
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GAMMA DECALACTONE

Corporation Identification

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=== 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.: 706-14-9

FEMA No.: 2360

Molecular Formula: C₁₀H₁₈O₂ = 170.52

Synonyms: 2(3H)-FURANONE-5-HEXYDIHYDRO-; DECANOLIDE-1,4; 4-HYDROXYDECANOIC
ACID, GAMMA-LACTONE

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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

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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Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.
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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 colorless to pale yellow liquid with coconut- peach like furry odor

Purity 98% min. by GLC

Hazardous Ingredients: N/A

Boiling Point °C: 281 °C

Melting Point °C: N/A

Specific Gravity (@20°C): 0.9510 to 0.9550

(@25 °C) 0.9490 to 0.9540

Refractive Index (@20°C): 1.4470 to 1.4510

Acid Value Max.2mg KOH/g

Solubility: Soluble in alcohol 95% at all proportion, insoluble in water.

Flash Point: 109 °C

Flammability (solid, gas): N/A

Autoflammability: N/A

Explosive Properties: N/A

Oxidizing Properties: N/A

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Section 9. Stability and Reactivity
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Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible materials, excess heat, strong oxidants.

Incompatibilities with Other Materials: Strong oxidizing agents, bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, acrid smoke and fumes.

Hazardous Polymerization: Has not been reported.

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Section 10. Toxicological Information
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RTECS#:

CAS# 706-14-9: LU4600000

LD50/LC50:

CAS# 706-14-9:

Draize test, rabbit, skin: 500 mg/24H Moderate;

Carcinogenicity:

CAS# 706-14-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Mutagenicity: No information available.

Neurotoxicity: No information available.

Other Studies:

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Section 11. Ecological Information
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Biodegradability: NOT DETERMINED

Aquatic Toxicity: NOT DETERMINED

Bioaccumulation Potential: NOT DETERMINED

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Section 12. Transport Information
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	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

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Section 13. Other Information
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Hazardous Materials Identification System

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

* Reference index: 4-Extreme 3-High 2-Moderate 1-Slight 0-No Significant Hazard

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Section 14. Regulatory
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US FEDERAL

TSCA

CAS# 706-14-9 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPO.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Beijing Peking university Zoteq co., ltd.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 706-14-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases: N/A

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 706-14-9: No information available.

Canada - DSL/NDSL

CAS# 706-14-9 is listed on Canada's DSL List.

Canada – WHMIS

This product has a WHMIS classification of D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 706-14-9 is listed on the Canadian Ingredient Disclosure List.

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Section 15. Conclusion

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The information contained herein is based on data considered accurate and reliable. However, the data is provided without any warranty, expressed or implied regarding its correctness or accuracy. It is the users responsibility both to determine safe conditions for use of this product, and to assume liability for loss, injury, damage, or expense resulting from the improper use of this product.