



Qingdao Free Trade Zone United International Co., Ltd.

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Material Safety Data Sheet

GAMMA DECALACTONE

Qingdao Free Trade Zone United International Co., Ltd. asks to its customers receiving this material safety data sheet to study carefully in order to know the dangers presented by the product and to inform its employees, agents, and sub-contractors.

The end user is responsible for the handling and the storage of the product to refer to legislative, regular and administrative up to date texts, concerning the protection of the workers and the population and the environmental.

This information is based on our current level of knowledge given by our own suppliers.

Date/revised: Feb 13, 2013	Date issued: Dec. 04, 2008
Product: Gamma decalactone	

1. Substance/preparation and company name

Company:

Qingdao Free Trade Zone United International Co., Ltd.

18/F, Huaren International Building, 2A Shandong Road, Qingdao, China - 266071

2. Composition/information on ingredients

Chemical name: Gamma decalactone

CAS No.: 706-14-9

FEMA No.: 2360

FDA No.: 172.515

CE No.: 2230c

EINECS No.: 211-892-8

3. Physical and chemical properties

Appearance: Colorless and transparent liquid

Odour: Delight sweet aroma of fruit

Formula: C₁₀H₁₈O₂

Molecular weight: 170.25

Boiling point: 281 °C

Assay: 98.0% min.

4. Hazards identification

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated

5. First aid measures

Eyes: Flush immediately with plenty of water for at least 15 min. Contact doctor.

Skin: Remove spoilt clothes and clean skin carefully with plenty of water and soap.

Ingestion: Rinse mouth with water and drink plenty of water.

Inhalation: Remove from exposure site to fresh air.

6. Fire fighting and measures

Flash point: 113 °C

Flammable limits: N/A

Decomposition temp.: N/A

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Runoff from fire control or dilution water may cause pollution.

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

7. Accidental release measures

General information: Use proper personal protective equipment.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

8. Handling and storage

Handling: Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container.

9. Exposure controls and personal protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

10. Stability and reactivity

Chemical stability: Stable under normal temperatures and pressures.

Conditions to avoid: Light, moisture, excess heat.

Incompatibilities with other materials: Oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

11. Toxicological information

N/A

12. Ecological information

N/A

13. Disposal considerations

Dispose of in a manner consistent with federal, state, and local regulations.

14. Transport information

Emergency TEL: +86-532-86069596; 83891505~9

15. Regulatory information

N/A

16. Other information

Shelf life: 12 months minimum in sealed containers protected from light and air

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.