

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0

### Section 1: IDENTIFICATION

Product Name: **Gamma Octalactone, US, Natural**  
 Product Number: **2796NAT-R**  
 Recommended Use: Flavorings  
 Manufacturer: Aurochemicals, 7 Nicoll Street, Washingtonville, NY 10992  
 Emergency Telephone No.: 1-800-535-5053 (International 1-352-323-3500 collect)

### Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Not a hazardous substance or mixture  
 GHS Classification Not a hazardous substance or mixture  
 GHS Label elements, including precautionary statements  
 Pictogram None  
 Signal Word: None  
 Hazard Statement(s): None  
 Precautionary Statement(s): None  
 Hazards not otherwise classified (HNOC) or not covered by GHS None  
 HMIS Classification  
 Health Hazard 2  
 Flammability 1  
 Physical Hazards 0  
 Hazards not otherwise classified (HNOC) or not covered by GHS. None  
 Potential Health Effects  
 Inhalation May be harmful if inhaled. May cause respiratory tract irritation  
 Skin May be harmful if absorbed through skin. May cause skin irritation  
 Eyes May cause eye irritation  
 Ingestion May be harmful if swallowed

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances No ingredients are hazardous according to OSHA criteria  
 Formula  $C_8H_{14}O_2$   
 Molecular Weight 142.20 g/mol  
 CAS # 104-50-7  
 EC#

Component	
Chemical Name	$\gamma$ -Octalactone

# Safety Data Sheet

Common Name:  $\gamma$ -Octalactone  
 Synonyms: 4-Hydroxy Octanoic acid  
 $\gamma$ -Octanoic lactone  
 Octano-1,4-lactone

## Section 4: FIRST AID MEASURES

General Advise: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Contact with eyes: Rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.

Contact with skin: Remove contaminated clothing. Rinse skin with cool water then wash with plenty of mild soap and warm water. Consult a physician

Inhalation: Provide fresh air, Consult a physician

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician

Clothing contamination: Wash contaminated clothing before re-use

## Section 5: FIREFIGHTING MEASURES

Conditions of flammability: Not flammable or combustible

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

Special protective equipment for firefighters: Wear self contained breathing apparatus for firefighting if necessary

Other Information: Hazardous decomposition products formed under fire conditions – Carbon oxides.

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

Environmental-protected measures: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Procedures for cleaning / absorption: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

Ventilate area: After sweep up, wash area and ventilate area well

## Section 7: HANDLING AND STORAGE

Precautions for safe handling: Handle with good manufacturing hygiene practices.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Contains no substances with occupational exposure limit values

Personal Protective Equipment: **These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.**

Body Protection: Clothing protecting against chemicals should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the

respective supplier

**Respiratory Protection:**

Where risk assessment shows air-purifying respirators are appropriate use a full face respirator with multi-purpose combination respirators as a back up to engineering controls. If the respirator is the sole means of protection, the use of a full face, air supplied respirator is recommended. Use NIOSH tested and approved respirators.

**Eye Protection:**

Wear appropriate safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Hand Protection:**

Wear chemically resistant Nitrile rubber gloves and use proper glove removal techniques to avoid skin contact with this product. Wash and dry hands after handling this product.

**Industrial Hygiene:**

Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless to clear light yellow
Odor:	Coconut
Melting Point	No data available
Boiling Point:	234°C
Flashpoint:	110°C
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.975-0.988
Solubility	Soluble in alcohol; slightly soluble in water

## Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong acids, Strong bases, Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	>5,000 mg/kg
LC50 Inhalation	No data available
LD50 Dermal	No data available
Further toxicological information	No data available
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

## 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 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 identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity-Single Exposure (GHS)	No data available
Specific target organ toxicity-Repeated Exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation May be harmful if inhaled. May cause respiratory tract irritation Ingestion May be harmful if swallowed Skin May be harmful if absorbed through skin. May cause skin irritation Eyes May cause eye irritation
Synergistic effects	No data available
RTECS	LU3562000
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Other adverse effects	No data available

## Section 13: DISPOSAL CONSIDERATIONS

Product:	According to local regulations
Packaging:	According to local regulations

## Section 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

## Section 15: REGULATORY INFORMATION

OSHA Hazards	No known OSHA hazards
SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

# Safety Data Sheet

SARA 311/312 Hazards	No SARA Hazards
Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components	Octan-4-olide    CAS # 104-50-7    Rev. Date:
New Jersey Right to Know Components	Octan-4-olide    CAS # 104-50-7    Rev. Date:
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

## Section 16: OTHER INFORMATION

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

<b>Issued by:</b>	<b>Contact Person:</b>
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