

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Delta Tridecalactone, Natural</b>
Product Number	<b>0468500</b>
CAS-No.	<b>7370-92-5</b>

### 1.2 Product Recommended Use

**Flavorings**

### 1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992- USA
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Telephone	845-496-6065
Fax	845-496-6248

### 1.4 Emergency Telephone Number

1-800-535-5053  
International - 1-352-323-3500 collect

## Section 2: HAZARD(s) IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

### 2.2 GHS Label Elements, Including precautionary statements

None; Not a hazardous substance or mixture.

### 2.3 HNOC (Hazards not otherwise classified or not covered by GHS)

None

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Synonym	Tetrahydro-6-octyl-2H-pyran-2-one
Formula	C <sub>13</sub> H <sub>24</sub> O <sub>2</sub>
Molecular Weight	212.33 g/mol
CAS-No	7370-92-5

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

### 4.2 Most important symptoms and effects both acute and delayed

See section 2.2 and or section 11

### 4.3 Indication of any immediate medical attention and special treatment needed.

No data available

## Section 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing Media

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

Use water spray to cool unopened containers.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage. Discharge into the environment must be avoided. Do not allow to enter drains or sewage system.

### 6.3 Methods and materials for containment and clean up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

### 6.4 Reference to other sections

For disposal see section 13.

## Section 7: HANDLING AND STORAGE

- |     |                                      |  |
|-----|--------------------------------------|--|
| 7.1 | <b>Precautions for safe handling</b> | Avoid formation of dust and aerosols.<br>For precautions see section 2.2.  |
| 7.2 | <b>Conditions for Safe storage</b>   | Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |
| 7.3 | <b>Specific End use(s)</b>           | Flavorings   |

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |     |                                      |  |
|-----|--------------------------------------|--|
| 8.1 | <b>Control parameters</b>            | Contains no substances with occupational exposure limit values   |
| 8.2 | <b>Exposure Controls</b>             |  |
|     | Appropriate Engineering Controls     | Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.  |
|     | <b>Personal protective equipment</b> | <b>These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situations of anticipated use by our customers. They should not be construed as offering an approval or any specific use scenario.</b>                               |
|     | Eye/face protection                  | Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).   |
|     | Skin protection                      | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. |
|     | Body protection                      | Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.   |
|     | Respiratory protection               | Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).                                |
|     | Control of environmental exposure    | Prevent further leakage or spillage if safe to do so. Do not let product enter drains.   |

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- |     |  |   |
|-----|--|---|
| 9.1 | <b>Information on basic physical and chemical properties</b> |   |
|     | a Appearance   | Colorless to pale yellow liquid                                 |
|     | b Odor   | Soft creamy, coconut and butter-like with a discreet musky tone |
|     | c Odor Threshold   | No data available   |
|     | d pH   | No data available   |
|     | e Melting Point /Freezing Point                              | No data available   |

f	Initial boiling point and boiling range	326 °C
g	Flash Point	110 °C closed cup
h	Evaporation Rate	No data available
i	Flammability (Solid, Gas)	Combustible III B estimated
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	No data available
l	Vapor density	No data available
m	Relative density @25°C	0.935-0.942
n	Solubility	Insoluble in water, soluble in ethanol
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	No data available
q	Decomposition Temp.	No data available
r	Viscosity	No data available
s	Explosive properties	No data available
t	Oxidizing properties	No data available
<b>9.2</b>	<b>Other Safety Information</b>	No data available

## Section 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	No data available
<b>10.2</b>	<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>10.3</b>	<b>Possibility of Hazardous reactions</b>	No data available
<b>10.4</b>	<b>Conditions to avoid</b>	No data available
<b>10.5</b>	<b>Incompatible materials</b>	Strong oxidizing agents.
<b>10.6</b>	<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>10.7</b>	<b>Further Information</b>	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

## Acute Toxicity

LC50-Inhalation 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 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 or potential 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

Teratogenicity No data available

Specific target organ toxicity-single exposure (GHS) No data available

Specific target organ toxicity-repeated exposures (GHS) No data available

Aspiration Hazards No data available

Signs and Symptoms of Exposure Gastrointestinal disturbance, Nausea, Headache, Vomiting

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Synergistic effects No data available

RTECS: Not available

## Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity No data available

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required / not conducted

12.6 Other adverse effects No data available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Disposal methods

# Safety Data Sheet

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

## Section 14: TRANSPORT INFORMATION

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

## Section 15: REGULATORY INFORMATION

SARA 302 Components 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.

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 Not regulated.

New Jersey Right to Know components Not regulated.

California Prop. 65 components This product does not contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 16: OTHER INFORMATION

### HMIS Rating

Health hazard 0  
Chronic Health Hazard\*  
Flammability 0  
Physical Hazard 0

### Further 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.

# Safety Data Sheet



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