

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Linalool Oxide, Natural</b>
Product Number	<b>0374600</b>
CAS-No.	<b>1365-19-1</b>

### 1.2 Product Recommended Use

**Flavorings**

### 1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992
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 substance or mixture

*GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)*

Flammable liquids (Category 4), H227  
Acute Toxicity (Category 4), H302  
Skin Corrosion (Category 1B), H314  
Serious eye damage (Category 1), H318

### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

**Danger**

Hazard Statement(s)

H227 Combustible liquid  
H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

Precautionary  
Statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces – No Smoking  
P264 Wash skin thoroughly after handling  
P270 Do not eat, drink, or smoke when using this product  
P280 Wear protective gloves/eye protection/face protection  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P301+P330+P331 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower  
P303+P361+P353 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

- P304+P340 breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P305+P351+P338 present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician  
P363 Wash contaminated clothing before reuse  
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.

### 2.3 HNOC (Hazards not otherwise classified or not covered by GHS –None)

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Formula	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>
Molecular Weight	170.25 g/mol
CAS-No	1365-19-1
EC-No.	262-038-6

#### Hazardous Components

Component	Classification	Concentration
2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol	Flammable liquids (Category 4), H227 Acute Toxicity (Category 4), H302 Skin Corrosion (Category 1B), H314 Serious eye damage (Category 1), H318	

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice	Consult physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation	Provide fresh air; keep at rest and at a comfortable position to breathe. Consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water and contact a physician.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 as a precaution and consult a physician. Continue rinsing eyes during transport to hospital.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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

Carbon oxides

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions

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 vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- 6.2 **Environment precautions** Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.
- 6.3 **Methods and materials for containment and clean up** Contain spillage. Soak up with absorbent material. Sweep up with broom and shovel. Place in a suitable, closed container for disposal.
- 6.4 **Specific end use(s)** Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

## Section 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid contact with skin and eyes. Avoid inhalation of vapors or mist. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.
- 7.2 **Conditions for Safe storage** 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.  
**Handle under nitrogen, protect from moisture.**
- 7.3 **Specific End use(s)** Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**  
**Components with workplace control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 **Exposure Controls**  
Appropriate Engineering Controls Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practices. Wash hands immediately after handling the product; before breaks and at the end of the day.
- 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.**
- Eye/face protection Wear appropriate tightly safety goggles. Face shield (8-in minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- Skin protection Wear chemically resistant, Nitrile rubber gloves, 0.4mm, when handling this product. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
- Body protection Impervious 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 (US) or type ABEK (EN 14387) respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a	Appearance	Colorless to pale yellow liquid
b	Odor	Floral, sweet
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	Melting Point 30-33°C
f	Boiling Point	188°C
g	Flash Point	73°C closed cup
h	Evaporation Rate	No data available
i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	1 hPa at 102°C
l	Vapor density	No data available
m	Relative density at 25°C	0.932-0.955
n	Solubility	Soluble in oils and 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

9.2 Other Safety Information No data available

## Section 10: STABILITY AND REACTIVITY

10.1	Reactivity	No data available
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of Hazardous reactions	No data available
10.4	Conditions to avoid	Heat, flames, and sparks
10.5	Incompatible materials	Strong oxidizing agents
10.6	Hazardous decomposition products	No data available
10.7	Further Information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute Toxicity</b>	
LD50-Oral -Rat	1,150 mg/kg
LC50-Inhalation	No data available
LD50-Dermal -Rabbit	2,500 mg/kg

Skin corrosion/irritation  
Serious eye damage/eye irritation  
Respiratory or skin sensitization  
Germ Cell mutagenicity

Rabbit: Severe skin irritation  
Eye irritation  
No data available  
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  
Specific target organ toxicity-single exposure (GHS)  
Specific target organ toxicity-repeated exposures (GHS)  
Aspiration Hazards  
Signs and Symptoms of Exposure

No data available  
No data available  
No data available  
No data available  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Synergistic effect  
RTECS:

No data available  
Not available

## Section 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	No data available
12.2	<b>Persistence and degradability</b>	No data available
12.3	<b>Bioaccumulative potential</b>	No data available
12.4	<b>Mobility in soil</b>	No data available
12.5	<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
12.6	<b>Other adverse effects</b>	No data available

## Section 13: DISPOSAL CONSIDERATIONS

13.1	<b>Disposal methods</b>	
	Product:	According to local regulations
	Packaging	According to local regulations

## Section 14: TRANSPORT INFORMATION

<b>DOT (US)</b>	UN No. 1760 Class 8 Packing Group: III
Proper shipping name:	Corrosive liquids, n.o.s. (2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol
Reportable Quantity: (RQ):	No
Marine Pollutant:	No
Poison Inhalation Hazard:	No
<b>IMDG</b>	UN No: 1760 Class: 8 Packing Group: III

# Safety Data Sheet

Proper shipping name:	Corrosive liquids, n.o.s. (2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol
Marine Pollutant:	No
<b>IATA</b>	UN No: 1760 Class: 8 Packing Group: III
Proper shipping name:	Corrosive liquids, n.o.s. (2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol

## 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	Fire Hazard, Acute health hazard
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know components	(2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol CAS# 60047-17-8 Rev. Date:
New Jersey Right to Know components	(2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol CAS# 60047-17-8 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

### HMIS Rating

Health hazard	2
Chronic Health Hazard	
Flammability	1
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.

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