

|              |   |
|--------------|---|
| HEALTH       | 2 |
| FLAMMABILITY | 3 |
| REACTIVITY   | 0 |

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

|                |                                |
|----------------|--------------------------------|
| Product Name   | Filbertone 1% in ETOH, Natural |
| Product Number | 0376101                        |
| CAS-No.        | 81925-81-7 / 64-17-5           |

### 1.2 Product Recommended Use

Flavorings

### 1.3 Preparation Information

|         |  |
|---------|--|
| Company | Aurochemicals<br>7 Nicoll Street<br>Washingtonville, NY 10992- USA |
|---------|--|

|           |              |
|-----------|--------------|
| 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 2), H225

### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



|                     |  |
|---------------------|--|
| Signal Statement    | Danger                                 |
| Hazard Statement(s) | H225 Highly Flammable liquid and vapor |

|                            |   |  |
|----------------------------|---|--|
| Precautionary Statement(s) | P210  | Keep away from heat/sparks/open flames/hot surfaces – No smoking |
|                            | P233  | Keep container tightly closed                                    |
|                            | P240  | Ground/bond container and receiving equipment                    |
|                            | P241  | Use explosion proof electrical/ventilating/lighting equipment    |
|                            | P242  | Use only non sparking tools                                      |
|                            | P243  | Take precautionary measures against static discharge             |
|                            | P264  | Wash skin thoroughly after handling                              |
|                            | P280  | Wear protective gloves/clothing face and eye protection          |
| P303+361+353               | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |  |
| 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   |  |

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** 5-Methyl-2-Hepten-4-one 1% EtOH  
 Synonym C<sub>8</sub>H<sub>14</sub>O  
 Formula  
 Molecular Weight  
 CAS-No 81925-81-7/ 64-17-5

### Hazardous Components

| Component | Classification            | Concentration |
|-----------|---------------------------|---------------|
| Ethanol   | Flammable liquid (2) H225 | 99%           |

## 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 Provide fresh air; keep at rest and at a comfortable position to breathe

Contact with skin: Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water.

Contact with eyes: Flush eyes with water as a precaution.

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. Emits toxic fumes under fire conditions.

5.4 **Further information** No data available

## 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 areas. 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, collect with absorbent material and deposit in suitable container for disposal. Keep container closed. After sweep up, wash and ventilate area well.
- 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 vapor or mist. Use explosion proof equipment. Keep away from sources of ignition - No Smoking. Take measures to prevent the build-up of electrostatic charge. Normal measures for preventive fire protection.
- 7.2 Conditions for Safe storage** Keep container tightly closed in a dry, cool and well-ventilated place. Containers which have been opened must be carefully resealed and kept upright to prevent leakage.  
20°C Max.  
**Keep from extremes of temperatures and direct sunlight**
- 7.3 Specific End use(s)** Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components with workplace control parameters

| Component  | CAS-No. | Value | Control Parameters       | Basis  |
|--|---------|-------|--------------------------|--|
| Ethanol  | 64-17-5 | TWA   | 1,000 ppm                | USA. ACGIH Threshold Limit Values (TLV)  |
| Remarks: Upper Respiratory Tract Irritation                  |         |       |                          |  |
| Confirmed animal carcinogen with unknown relevance to humans |         |       |                          |  |
|  |         | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| The value in mg/m3 is approximate                            |         |       |                          |  |
|  |         | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. NIOSH Recommended Exposure Limits   |

### 8.2 Exposure Controls

**Appropriate Engineering Controls** Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

#### Personal protective equipment

**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.**

|                                   |   |
|-----------------------------------|---|
| 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                   | Wear chemically resistant Nitrile gloves. 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                   | Complete flame retardant antistatic suit 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 faced 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 | Prevent further leakage or spillage if safe to do so. 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 slightly yellow liquid                              |
| b | Odor                                   | Alcoholic, characteristic  |
| c | Odor Threshold                         | No data available  |
| d | pH                                     | No data available  |
| e | Melting Point /Freezing Point          | No data available  |
| f | Boiling Point                          | 78°C   |
| g | Flash Point                            | 18°C closed cup  |
| h | Evaporation Rate                       | No data available  |
| i | Flammability (Solid, Gas)              | No data available  |
| j | Upper/lower Flammability Limit         | Upper explosion limit: 19.% (V), Lower explosion limit: 3.3% (V) |
| k | Vapor pressure                         | 59.5 hPa (44.6 mmHg) at 20°C                                     |
| l | Vapor density                          | No data available  |
| m | Relative density @25°C                 | 0.802-0.805  |
| n | Solubility                             | Soluble in ethanol and water                                     |
| 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 | <b>Possibility of Hazardous reactions</b> | Vapors may form explosive mixture with air                           |
| 10.4 | <b>Conditions to avoid</b>                | Heat, flames and sparks. Extremes of temperature and direct sunlight |
| 10.5 | <b>Incompatible materials</b>             | No data available  |
| 10.6 | <b>Hazardous decomposition products</b>   | No data available  |
| 10.7 | <b>Further Information</b>                | No data available  |

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

LD50-Oral - RAT

7,060 mg/kg

Remarks: Lungs, Thorax, or Respiration: Other changes

LC50-Inhalation- RAT

20,000 ppm 10hr

Skin corrosion/irritation

Rabbit: No skin irritation - 24 hr  
(OECD Test Guideline 404)

Serious eye damage/eye irritation

Rabbit: Mild eye irritation -24 hr  
(OECD Test Guideline 405)

Respiratory or skin sensitization

No data available

Germ Cell mutagenicity

No data available

Carcinogenicity

Carcinogenicity-Mouse

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria:

Liver: Tumors

Blood: Lymphomas including Hodgkin's disease

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.

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

Human: Female, Oral

Effects on Newborn: Apgar score (human only); other neonatal measures or effects on newborn: Drug dependence

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

Central nervous system depression, narcosis, damage to the heart.

Heart irregularities - Based on Human Evidence  
Stomach irregularities - Based on Human Evidence

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

## Section 14: TRANSPORT INFORMATION

|                          |   |
|--------------------------|---|
| DOT (US)                 | UN Number 1170 Class 3 Packing Group II   |
| Proper Shipping Name     | Ethanol Solution (Ethyl Alcohol Solution) |
| Marine Pollutant         | No  |
| Poison Inhalation hazard | No  |
| IMDG                     | UN Number 1170 Class 3 Packing Group II   |
| Proper Shipping Name     | Ethanol Solution (Ethyl Alcohol Solution) |
| Marine Pollutant         | No  |
| IATA                     | UN Number 1170 Class 3 Packing Group II   |
|                          | Ethanol Solution (Ethyl Alcohol Solution) |

## 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, Chronic Health Hazard  |

# Safety Data Sheet



|  |   |              |                      |
|--|---|--------------|----------------------|
| Massachusetts Right to Know components | Ethanol   | CAS# 64-17-5 | Rev. Date: 3/01/2007 |
| Pennsylvania Right to Know components  | Ethanol   | CAS# 64-17-5 | Rev. Date: 3/01/2007 |
| New Jersey Right to Know components    | Ethanol   | CAS# 64-17-5 | Rev. Date: 3/01/2007 |
| 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          | 2 |
| Chronic Health Hazard* |   |
| Flammability           | 2 |
| 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.

|                               |                         |
|-------------------------------|-------------------------|
| <b>Issued by:</b>             | <b>Contact Person:</b>  |
| Aurochemicals                 | Deo N. Persaud          |
| 7 Nicoll Street               | Revised Date: 8/11/2022 |
| Washingtonville, NY 10992 USA |                         |