

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Benzyl Acetate, Natural</b>
Product Number	<b>0213500</b>
CAS-No.	<b>140-11-4</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 substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Skin Irritation (Category 2), H315 Eye Irritation (Category 2A), H319 Specific target organ toxicity-Single Exposure (Category 3) Respiratory System, H335 Acute aquatic toxicity (Category 2), H401 Chronic aquatic toxicity (Category 2), H411
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### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement  
Hazard Statement(s)

#### Warning

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapor/spray
P264	Wash skin thoroughly after handling
P271	Use only outdoors or in a well ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of soap and water

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	IF eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P391	Contain spillage
P403+P233	Store in a well ventilated place. Keep container tightly closed
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

	Acetic Acid Benyl Ester
	Benzyl Acetate
Synonym	Acetic acid, Benzyl Ethanoate
Formula	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>
Molecular Weight	150.8 g/mol
CAS-No	140-11-4

#### Hazardous Components

Component	Classification	Concentration
Benzyl Acetate	Skin irritation (2) H315 Eye irritation (2A) H319 Specific target organ toxicity - Single Exposure (3) Respiratory System H335 Acute aquatic toxicity (2) H401 Chronic aquatic toxicity (2) H411	-

### 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. Consult a physician.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.
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**  
Do not stay in danger zone without self contained breathing apparatus  
Cool container with water spray from a safe distance  
Contain escaping vapors with water  
Prevent fire fighting water from entering surface or ground water  
Keep away from sources of ignition
- 5.3 **Advice for fire fighters**  
May form explosive mixtures with air at room temperature Emits toxic fumes under fire conditions.
- 5.4 **Further information** No data available

## Section 6: ACCIDENTIAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Avoid breathing vapors, mist or gas. Evacuate area of all non essential personnel. Avoid contact with skin or eyes. Ventilate area with fresh air
- 6.2 **Environment precautions** Do not allow to enter drains or sewage system. Contain spillage, sweep up with broom and shovel and place in adequate container for disposal
- 6.3 **Methods and materials for containment and clean up** Keep in suitable, closed containers 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** Do not eat nor drink when handling this product. Use normal industrial safety practices. Take precautionary measures against static discharges. Keep away from sources of ignition
- 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.
- 7.3 **Specific End use(s)** Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Component	CAS-No	Value	Control Parameters	Basis
Benzyl Acetate	140-11-4	TWA	10 ppm 61 mg.m3	USA ACGIH Threshold Limit Values (TLV)
		Remarks	Not classified as a human carcinogen	

## 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. Mechanical exhaust fans at location of handling or transferring this product.

### 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	Safety glasses with side shields conforming to EN 166. 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 gloves Nitrile 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	Complete 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 multipurpose combination (US) or type ABEK (EN 14387) respirator cartridge 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 or ground water

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a Appearance	Colorless to Pale Yellow liquid
b Odor	Strong Jasmine, Floral
c Odor Threshold	No data available
d pH	No data available
e Melting Point	-51.5°C
f Boiling Point	206°C
g Flash Point	102°C
h Evaporation Rate	No data available

i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	Lower Explosion Limit: 0.9 Vol % Upper Explosion Limit: 8.4 Vol%
k	Vapor pressure	31 hPa (23 mmHg) at 110°C
l	Vapor density	No data available
m	Relative density @25°C	1.050-1.060
n	Solubility	Insoluble in glycerin and water; soluble in alcohol, most fixed oils, propylene glycol
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, acids, bases, reducing agents
<b>10.6</b>	<b>Hazardous decomposition products</b>	No data available
<b>10.7</b>	<b>Further Information</b>	No data available

## Section 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
	<b>Acute Toxicity</b>	
	LD50-Oral-Rat	2490 mg/kg
	LD50-Dermal, Rabbit	>5000 mg/kg
	LC50-Inhalation-Rat	No information available

# Safety Data Sheet

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

Rabbit: Skin irritation -24 hr  
No data available  
No data available  
Laboratory experiments have shown mutagenic effects  
Mouse: Lymphocyte; Mutations in mammalian somatic cells  
Hamster: Lungs, Cytogenetic analysis

Carcinogenicity

**Rat: Oral**  
**Tumorigenic: Neoplastic by RTECS criteria: Gastrointestinal:**  
**Tumors Mouse: Oral**  
**Tumorigenic: Neoplastic by RTECS criteria: Liver: Tumors**

**This product is or contains a compound that is not classifiable as to its carcinogenicity based on its IARC; ACGIH, NTP, or EPA classification**

IARC 3-Group 3: Not classifiable as to its carcinogenicity to humans (Benzyl Acetate)

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  
Teratogenicity  
Specific target organ toxicity-single exposure (GHS)  
Specific target organ toxicity-repeated exposures (GHS)  
Aspiration Hazards

No data available  
No data available  
No data available  
Inhalation - May cause respiratory irritation  
No data available

Signs and Symptoms of Exposure

Narcosis, Central nervous system depression, Nausea, Vomiting/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:

AF-5075000

## Section 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	To Fish: LC50-Orzias Latipes 4 mg/l -96h
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>	Not a dangerous goods
<b>IMDG</b>	UN#3082 Class 9 Packing Group III EMS No.: F-A, S-F
<b>Proper Shipping Name</b>	Environmentally Hazardous Substance, Liquid, n.o.s. (Benzyl Acetate)
<b>Marine Pollutant</b>	Marine Pollutant
<b>IATA</b>	UN#3082 Class 9 Packing Group III
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s. (Benzyl Acetate)
<b>Further Information</b>	<b>EHS-Mark required: (ADR 2.2.9.10, IMDG code 2.10.3) for single packages and combination packaging containing inner packaging with dangerous goods &gt;5L for liquids or &gt;5kg for solids.</b>

## 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	Acute Health Hazard, Chronic Health Hazard
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

<b>HMIS Rating</b>	
Health hazard	2
Chronic Health Hazard*	
Flammability	1
Physical Hazard	0

# Safety Data Sheet

## 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: 8/7/2022
Washingtonville, NY 10992 USA	