

HEALTH	0
FLAMMABILITY	2
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Hexyl-2-Methyl Butyrate, Natural</b>
Product Number	<b>0349900</b>
CAS-No.	10032-15-2

### 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 aquatic toxicity (Category 2) H401  
 Chronic aquatic toxicity (Category 2) H411

### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement      Warning

Hazard Statement(s)	H227 Combustible liquid H411 Toxic to aquatic life with long lasting effects
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Precautionary Statement(s)	P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking P273 Avoid release to the environment P280 Wear protective gloves/protective clothing/ eye protection / face protection P370+378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for
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extinction  
 P391 Collect spillage  
 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

Synonyms Hexyl-2-methylbutanoate

Formula  $C_{11}H_{22}O_2$   
 Molecular Weight 186.29 g/mol  
 CAS-No 10032-15-2  
 EC-No. 233-106-2

#### Hazardous Components

Component	Classification	Concentration
Hexyl-2-methylbutyrate	Flammable Liquids (Category 4) H227 Acute aquatic toxicity (Category 2) H401 Chronic aquatic toxicity (Category 2) H411	-

### 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.

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

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|--|--|
| <b>5.1 Extinguishing Media</b><br>Suitable Extinguishing Media   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide  |
| <b>5.2 Special hazards arising from the substance or mixture</b> | Carbon oxides  |
| <b>5.3 Advice for fire fighters</b>                              | Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions |
| <b>5.4 Further information</b>                                   | Use water spray to cool unopened containers.   |

## Section 6: ACCIDENTAL RELEASE MEASURES

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|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | 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. |
| <b>6.2 Environment precautions</b>   | Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.  |
| <b>6.3 Methods and materials for containment and clean up</b>                  | Contain spillage. Soak up with absorbent material. Sweep up with broom and shovel. Place in a suitable, closed container for disposal.  |
| <b>6.4 Specific end use(s)</b>   | Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.  |

## Section 7: HANDLING AND STORAGE

- |  |   |
|--|---|
| <b>7.1 Precautions for safe handling</b> | Avoid Inhalation of vapor or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the build-up of electrostatic charge.             |
| <b>7.2 Conditions for Safe storage</b>   | 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. |
| <b>7.3 Specific End use(s)</b>           | Flavorings  |

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |   |   |
|---|---|
| <b>8.1 Control parameters</b><br>Components with workplace control parameters<br>Contains no substances with occupational exposure limit values |   |
| <b>8.2 Exposure Controls</b><br>Appropriate Engineering Controls  | Handle in accordance with good industrial hygiene and safety practices. |

Wash hands 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 safety glasses with side shields. 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, butyl rubber gloves, 0.3mm 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 multipurpose 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 governmental 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. Discharge into the environment must be avoided.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a	Appearance	Colorless liquid
b	Odor	Fruity
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	No data available
f	Boiling Point	105°C
g	Flash Point	85°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	0.5 hPa at 20°C
l	Vapor density	No data available
m	Relative density at 25°C	0.845-0.860
n	Solubility	Insoluble in water, Soluble in alcohol and most fixed oils
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

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

## Section 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute Toxicity</b>	
LD50-Oral-Rat	>5,000 mg/kg
LC50-Inhalation	No data available

LD50-Dermal-Rat	>5,000 mg/kg
Skin corrosion/irritation	Rabbit
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
Potential Health effects	
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Synergistic effect	No data available
RTECS:	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>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects

## 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: 3082 Class: 9 Packing Group: III  
 Proper shipping name: Environmentally hazardous substance, n.o.s. (Hexyl 2-methylbutyrate)  
 Reportable Quantity (RQ): No  
 Marine Pollutant: Yes  
 Poison Inhalation Hazard: No

**IMDG**  
 UN-Number: 3082 Class: 9 Packing Group: III EMS-No: F-A,S-F  
 Proper shipping name: Environmentally hazardous substance, n.o.s. (Hexyl 2-methylbutyrate)  
 Marine Pollutant: Yes

**IATA**  
 UN-Number: 3082 Class: 9 Packing Group: III  
 Proper shipping name: Environmentally hazardous substance, n.o.s. (Hexyl 2-methylbutyrate)

Further Information: EHS-Mark Required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods >5L for liquids or >5kg for solids.

## Section 15: REGULATORY INFORMATION

Reach No. A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Massachusetts Right to Know components No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know components Hexyl 2-methylbutyrate CAS# 10032-15-2 Rev. Date:

New Jersey Right to Know components Hexyl 2-methylbutyrate CAS# 10032-15-2 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 0

# Safety Data Sheet



The Natural Choice for Flavor  
and Fragrance Ingredients

Chronic Health Hazard  
Flammability 2  
Physical Hazard 0

Aurochemicals



# 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.

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