

HEALTH 2  
FLAMMABILITY 3  
REACTIVITY 0

## Section 1: IDENTIFICATION

Product Name: **Propyl Butyrate, Natural**  
 Product Number: **0293400**  
 Recommended Use: Flavorings

Manufacturer: Aurochemicals  
 7 Nicoll Street  
 Washingtonville, NY 10992-USA  
 845-496-6065  
 845-496-6248 Fax

Emergency Telephone No.: 1-800-535-5053  
 (International 1-352-323-3500 collect)


## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Flammable Liquid, Irritant

GHS Classification Flammable liquids (Category 3)  
 Skin irritation (Category 2)  
 Eye irritation (Category 2A)  
 Specific Target Organ Toxicity – Single exposure (Category 3)

Signal Word: Warning

Hazard Statement: H226 Flammable liquid and vapor  
 H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation

Pictogram or written description 

Precautionary Statement P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P305+ If in Eyes: Rinse cautiously with water for several minutes  
 P351+ Remove contact lenses, if present and easy to do.  
 P338 Continue rinsing

HMIS Classification Health Hazard 2  
 Flammability 3  
 Physical Hazards 0

Potential Health Effects Inhalation May be harmful if inhaled. Causes respiratory tract irritation  
 Skin May be harmful if absorbed through skin. Causes skin irritation

Eyes Causes eye irritation  
Ingestion May be harmful if swallowed

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances:

Chemical Name	Propyl Butyrate
Common Name:	Propyl Butyrate
Synonyms:	n-Propyl-n-butanoate
CAS #	105-66-8
EC#	203-320-0
Molecular Weight	13.018 g/mol
Molecular Formula	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>

### Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician.
Inhalation:	Provide fresh air, Consult a physician.
Ingestion:	Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Wash contaminated clothing before re-use.

### Section 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media	For small (incipient) fires, use media such as alcohol foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides. Use water spray to cool unopened containers.

### Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Avoid breathing vapors, mist, or gas. Remove all sources of ignition. Ensure supply of fresh air in enclosed rooms, Avoid breathing dust. Wear respirator, safety glasses, and chemical resistant gloves. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
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Environmental-protected measures	Do not allow to enter drains or sewage system.
Procedures for cleaning / absorption	Pick up and arrange disposal without creating dust. Sweep up and shovel and place in container for disposal according to local regulations.
Ventilate area	After sweep up, wash area and ventilate area well

## Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition-no smoking. Take measures to prevent the buildup of electrostatic charge.
Conditions for safe storage	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.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values.
Personal Protective Equipment:	<b>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.</b>
Body Protection:	Impervious, Flame retardant antistatic protective clothing 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 deems respirators appropriate the respirator should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Eye Protection:	Wear appropriate eye and face protection – Face Shield
Hand Protection:	Wear chemically resistant Nitrile rubber gloves
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Pineapple and apricot-like odor
Boiling Point:	140-145°C
Flashpoint:	39°C
Melting Point/Freezing Point:	No data available
Ignition temperature	No data available

# Safety Data Sheet

Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.866-0.875
Solubility	Soluble in most organic solvent

## Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	Vapors may form explosive mixture with air
Conditions to avoid	Heat, flames, sparks
Materials to avoid	Strong oxidizing agent, Strong Bases
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	15,000 mg/kg Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Coma. Diarrhea
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LC50 Inhalation	No data available
LD50 Dermal	No data available
Further toxicological information	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 at 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 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)	Inhalation: May cause respiratory irritation
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Specific target organ toxicity-Repeated Exposure (GHS)	No data available
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Aspiration hazard	No data available
Potential Health Effects	

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation
Eye	Causes eye irritation

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

Synergistic effects      No data available

RTECS      ET6200000

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available

## Section 13: DISPOSAL CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

<b>DOT (US)</b>	UN number: 3272 Class 3	Packing Group III
Proper shipping name:	Esters, n.o.s.	
Marine pollutant	No	
Poison inhalation hazard	No	

<b>IMDG-Classification</b>	UN number: 3272 Class 3	Packing Group III	EMS: F-E, S-D
Proper shipping name:	ESTERS, N.O.S. (Propyl butyrate)		
Marine pollutant	No		

<b>IATA-Classification</b>	UN number: 3272 Class 3	Packing Group III
Proper shipping name:	Esters, n.o.s. (Propyl butyrate)	

## Section 15: REGULATORY INFORMATION

OSHA Hazards      Flammable liquid, Irritant

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.

# Safety Data Sheet

SARA 311/312 Hazards	Fire Hazard, Acute Health Hazard		
Massachusetts Right to Know Components	Propyl butyrate	CAS #: 105-66-8	Rev. Date: 4/24/1993
Pennsylvania Right to Know Components	Propyl butyrate	CAS #: 105-66-8	Rev. Date: 4/24/1993
New Jersey Right to Know Components	Propyl butyrate	CAS #: 105-66-8	Rev. Date: 4/24/1993
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.		

## Section 16: OTHER 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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