

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Butyl Propionate, Natural**
 Product Number: **0221100**
 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
 GHS Classification

Combustible Liquids, Irritant
 Flammable Liquids (Category 3)
 Acute toxicity, Oral Category 5)
 Skin irritation (Category 2)
 Serious eye damage (Category 1)

Signal Word: **DANGER**

Pictogram or written description



Hazard Statement:

H226 Flammable liquid and vapor
 H303 May be harmful if swallowed
 H315 Causes skin irritation
 H318 Causes serious eye damage

Precautionary Statement

P280 Wear protective gloves/protective clothing/eye and face protection
 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 2
 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

Component	Butyl propionate
Common Name:	Butyl propionate
Synonyms:	Propionic Acid, Butyl ester (8CI)
CAS #	590-01-2
EC#	209-669-5
Formula	C ₇ H ₁₄ O ₂
Index –No	307-029-00-3
Molecular Weight	130.18 g/mol

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:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician
Clothing contamination:	Remove contaminated clothing and wash before reuse.

Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface- No smoking.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus Prevent fire-fighting water from entering surface or ground water Cool unopened containers with water spray from a safe distance.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides. Use water spray to cool unopened containers

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas .
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Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.
Procedures for cleaning / absorption	Take up with liquid absorbent material. Place in appropriate container and keep closed until disposal.
Ventilate area	After clean up, wash spill area and ventilate the area well.

Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid inhalation of vapor or mist. Use explosion proof equipment. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.
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.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

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
Body Protection:	Complete suite protecting against chemicals, made of flame retardant antistatic material 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:	When risk assessment shows air-purifying respirators are appropriate use a full face respirator with multi-purpose combination respirator cartridges as a back up to engineering controls.
Eye Protection:	Wear appropriate tightly fitting safety goggles. Face shield (8-inch minimum) NIOSH tested and approved
Hand Protection:	Wear chemically resistant gloves of Nitrile rubber
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Clay, sweet apricot
Boiling Point:	145-146°C
Flashpoint:	32°C

Safety Data Sheet

Melting Point	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.866-0.883
Solubility in Water:	Slightly soluble in water; miscible with alcohol and ether

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat, Flames and Sparks.
Materials to avoid	Strong oxidizing agents, strong bases
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides
Further information	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50, Oral Rat	5,000 mg/kg
LC50 Inhalation	No data available
LD50 Dermal Rabbit	>14,000 mg/kg
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin-Rabbit:
Serious eye damage/eye irritation	Eye- Rabbit:
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	

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
Eyes	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: Not available

Section 12: ECOLOGICAL INFORMATION

Toxicity	
Toxicity to daphnia and other aquatic invertebrates	EC50- Daphnia magna (Water Flea) 230 mg/l – 24 hr
Other adverse effects	No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	UN 1914	Class 3	Packing Group III	
Proper shipping name	Butyl propionates			
Reportable Quantity (RQ)				
Marine pollutant	No			
Poison Inhalation Hazard	No			
IMDG-Classification	UN 1914	Class 3	Packing Group III	EMS-No.: F-E S-D
Proper shipping name	BUTYL PROPIONATES			
Marine pollutant	No			
IATA-Classification	UN 1914	Class 3	Packing Group III	
Proper shipping name	Butyl propionates			

Section 15: REGULATORY INFORMATION

OSHA Hazards	Combustible 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.		
SARA 311/312 Hazards	Fire Hazard, Acute Health Hazard		
Massachusetts Right to Know components	Butyl propionate	CAS# 590-01-2	Rev. Date: 4/24/1993

Safety Data Sheet



Pennsylvania Right to Know components Butyl propionate CAS# 590-01-2 Rev. Date: 4/24/1993

New Jersey Right to Know components Butyl propionate CAS# 590-01-2 Rev. Date: 4/24/1993

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

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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