


HEALTH 3  
FLAMMABILITY 3  
REACTIVITY 0

## Section 1: IDENTIFICATION

Product Name: **Butyl Acetate (n-Butyl Acetate), Natural**  
 Product Number: **0217400**  
 Recommended Use: **Flavorings**  
 Manufacturer: **Aurochemicals**  
 7 Nicoll Street  
 Washingtonville, NY 10992  
 Emergency Telephone No.: **1-800-535-5053**  
 (International 1352-323-3500 Collect)

## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards: Flammable Liquid, Target Organ Effect, Irritant  
 Target Organs: Central nervous system  
 GHS Classifications: Flammable liquid (Category 3)  
 Skin irritation (Category 2)  
 Specific target organ toxicity – Single Exposure (Category 3) Central Nervous System  
 Acute aquatic toxicity (Category 3)  
 Chronic aquatic toxicity (Category 3)

Pictogram or written description: 

Signal Word: **Warning**

Hazard Statement

H226	Flammable liquid and vapor
H315	Causes skin irritation
H333	May be harmful if inhaled
H336	May cause drowsiness or dizziness
H402	Harmful to aquatic life

Precautionary Statement

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P273	Avoid release into the environment
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	3
Chronic Health Hazard	*
Flammability	3
Physical Hazards	0

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness
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	n-Butyl acetate
Common Name:	Butyl Acetate
Synonyms:	Acetic Acid Butyl
CAS #	123-86-4
EC#	204-658-1
EC Index No.:	607-025-00-1
Molecular Formula	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>

## Section 4: FIRST AID MEASURES

General Advice	Consult a physician. Show this data sheet to the attending physician. Move out of dangerous area.
If Inhaled	Move to fresh air. Consult a physician
In case of skin contact	Remove contaminated clothing, Rinse area with cool water then wash with mild soap and warm water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for 15 minutes. Consult physician.
If Swallowed	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
Contaminated Clothing	Remove clothing and wash thoroughly before re-use.

## Section 5: FIREFIGHTING MEASURES

Conditions of flammability	Flammable in the presence of a source of ignition when temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface – No smoking.
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 Cool container with water spray from a safe distance Contain escaping vapors with water. Prevent fire fighting waters from entering surface water or ground water Keep away from sources of ignition.
Unusual fire and explosions hazards	Formed under fire conditions – Carbon oxides

## Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. 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.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

Method and Material for clean up

Contain spillage, sweep up and place in container for disposal

Ventilate area

After sweep up, wash area and ventilate 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

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

Components with workplace control parameters

Components	CAS-No	Value	Control Parameters	Basis
n-Butyl acetate	123-86-4	TWA	150 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Eye & Upper Respiratory Tract irritation			
		STEL	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation				
		TWA	150 ppm 710 mg/m <sup>3</sup>	USA. OSHA – Table Z-1 Limits for Air Contaminants 1910.1000
		STEL	200 ppm 950 mg/m <sup>3</sup>	USA. OSHA – Table Z-1 Limits for Air Contaminants 1910.1000
		TWA	150 ppm 710 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
The value in mg/m <sup>3</sup> is appropriate				
		TWA	150 ppm 710 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		ST	200 ppm 950 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

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

Respiratory Protection

Where risk assessment shows air purifying respirators are appropriate use an appropriate, approved government standard full face respirator with multi-purpose respirator cartridges.

Hand protection

Handle with gloves made of Nitrile rubber. Wash and dry hands after handling this product

Eye protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) EN 166 (EU)

Skin and body protection

Impervious clothing, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Fruity, pineapple odor
Boiling Point:	126°C
Flashpoint:	38.8°C
Melting Point:	N/A
Explosive Properties:	No information available
Lower Explosion Limit	1.7% Vol.
Upper Explosion Limit	7.6% Vol.
Oxidizing properties:	Not oxidizing; Flammable
Ignition Temperature:	370
Vapor Pressure:	20 hPa (15 mm/hg) at 25°C
Specific Gravity @ 25°C:	0.876 – 0.880
Solubility	Miscible in alcohol, ether, propylene glycol, 1mL in 145mL water

## Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possible Hazardous reactions	Vapors may form explosive mixture with air
Conditions to avoid	Heat, Flames, Sparks
Materials to avoid	Strong oxidizing agents, Strong reducing agents, strong bases
Hazardous decomposition products	Formed under fire conditions- Carbon oxides

## Section 11: TOXICOLOGICAL INFORMATION

LD50 Oral, Rat:	10,700-14,130 mg/kg
LD50, Inhalation: Rat:	>21.0 mg/l 4-h
LD50, Dermal, Rabbit:	17,600 mg.kg
Other information on Acute Toxicity	No data available
Skin corrosion/irritation	Rabbit: Skin irritation 24 h
Serious eye damage/eye irritation	Rabbit: Moderate eye irritation
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.
	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 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		Developmental Toxicity- rat-inhalation Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus); Specific developmental Abnormalities: Musculoskeletal System
Specific target organ toxicity-Single exposure (GHS)		May cause drowsiness or dizziness
Specific target organ toxicity-Repeated exposure (GHS)		No data available
Aspiration hazard		No data available
Potential health effects		
	Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
	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		Drowsiness, To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Synergistic Effect RTECS:		No data available AF7350000

## Section 12: ECOLOGICAL INFORMATION

Toxicity	
Toxicity to fish	LC50- Lepomis macrochirus (Bluegill) 100 mg/l -96 h
Toxicity to daphnia and other aquatic invertebrates	EC50-Daphnia magna (Water Flea) 72.8-205.0 mg/l-24 h
Persistence and degradability	No data available
Biodegradation:	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

## Section 13: DISPOSAL CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

DOT (US Proper shipping name)	UN1123 Class 3 Packing Group III Butyl acetates
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# Safety Data Sheet

Reportable Quantity (RQ)	5000 lbs
Marine pollutant	No
Poison Inhalation Hazard	No
IMDG	UN1123 Class 3 Packing Group III
Proper shipping name	<b>BUTYL ACETATE</b>
Marine pollutant	No
IATA	UN1123 Class 3 Packing Group III
Proper shipping name	Butyl acetates

## Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable liquid, Target Organ Effect, 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, Chronic Health Hazard
Massachusetts Right to Know Components	n-Butyl acetate      CAS# 123-86-4      Rev. Date: 4/24/1993
Pennsylvania Right to Know Components	n-Butyl acetate      CAS# 123-86-4      Rev. Date: 4/24/1993
New Jersey Right to Know Components	n-Butyl acetate      CAS# 123-86-4      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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