

Printing date 01/16/2024

Reviewed on 01/10/2023

# 1 Identification

- Product identifier
- · Trade name: Butyl Caproate natural
- · Product number: 1281
- · CAS Number:
- 626-82-4
- · EC number:
- 210-964-6
- · Application of the substance / the mixture Flavoring Ingredients
- · Details of the supplier of the safety data sheet

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- Manufacturer/Supplier: Advanced Biotech 10 Taft Road Totowa, NJ 07512 USA
- Information department: Product Safety Department productsafety@adv-bio.com
- Emergency telephone number: Infotrac: 1-800-535-5053 (Domestic) & 1-352-323-3500 (International) Email: responders@infotrac.net & During normal business hours: 1-973-339-6242

# 2 Hazard(s) identification

· Classification of the substance or mixture

Flammable Liquids 4 H227 Combustible liquid.

GHS label elements

Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).

- · Hazard pictograms Not Applicable
- · Signal word Warning
- · Hazard statements
- H227 Combustible liquid.
- · Precautionary statements
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

- P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

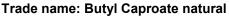
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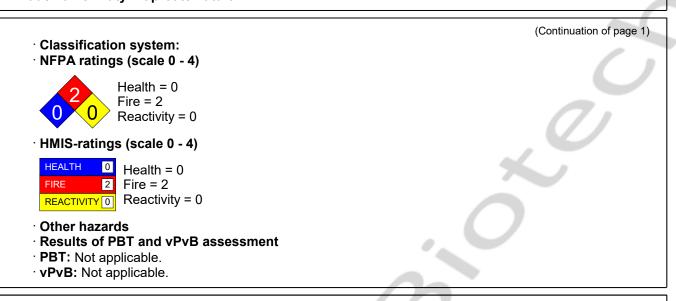
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### 3 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description
- CAS: 626-82-4 Butyl Caproate
- Identification number(s)
- **EC number:** 210-964-6

### 4 First-aid measures

- · Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

### 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. **Special hazards arising from the substance or mixture** No further relevant information available.

- Special nazards arising from the substance or mixture No fur
  - Advice for firefighters
  - · Protective equipment: No special measures required.
  - Additional information

Cool endangered receptacles with water spray.

(Continued on page 3)

- US



Printing date 01/16/2024

#### Reviewed on 01/10/2023

#### Trade name: Butyl Caproate natural

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
• Environmental precautions: Do not allow to enter sewers/ surface or ground water.
• Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

- Reference to other sections
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

· PAC-1:

Substance is not listed.

· PAC-2:

Substance is not listed.

· PAC-3:

Substance is not listed.

### 7 Handling and storage

- · Handling:
- · Precautions for safe handling No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** No special requirements.

Please refer to the product specification and/or Certificate of Analysis for product storage requirements.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as a basis.
- Exposure controls
- Personal protective equipment:

· General protective and hygienic measures: Wash hands before breaks and at the end of work.

(Continued on page 4)



Printing date 01/16/2024

#### Trade name: Butyl Caproate natural

(Continuation of page 3) • Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation. Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### · Penetration time of glove material The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

• Eye protection: Goggles recommended during refilling.

Information on basic physical and	chemical properties	
General Information		
Appearance: Form:	1.00000.0	
Color:	Liquid According to product specification	
Odor:	According to product specification	
Odor threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	61-62 °C (141.8-143.6 °F)	
Flash point:	81 °C (177.8 °F)	
Flammability (solid, gaseous):	Not applicable.	
Decomposition temperature:	Not determined.	
Ignition temperature:	Not determined.	
Danger of explosion:	Not determined.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	Not determined.	
Density at 20 °C (68 °F):	0.865 g/cm³ (7.21843 lbs/gal)	
Relative density	Not determined.	
Vapor density	Not determined.	



Printing date 01/16/2024

Reviewed on 01/10/2023

#### Trade name: Butyl Caproate natural

		(Continuation of page 4
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol/	water): Not determined.	$\overline{}$
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
VOC content:	0.00 %	
	0.0 g/l / 0.00 lb/gal	
Other information	No further relevant information available.	

### 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

### 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
- · Carcinogenic categories

#### · IARC (International Agency for Research on Cancer)

Substance is not listed.

- NTP (National Toxicology Program)
- Substance is not listed.
- OSHA-Ca (Occupational Safety & Health Administration)
- Substance is not listed.

# 12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.

(Continued on page 6)

US



Printing date 01/16/2024

#### Trade name: Butyl Caproate natural

Reviewed on 01/10/2023

	(Continuation of page 5)
Behavior in environmental systems:	
Bioaccumulative potential No further relevant information available.	
Mobility in soil No further relevant information available.	
Additional ecological information:	
General notes:	
Water hazard class 2 (Assessment by list): hazardous for water	
Do not allow product to reach ground water, water course or sewage system.	
Danger to drinking water if even small quantities leak into the ground.	
Results of PBT and vPvB assessment	
PBT: Not applicable.	
vPvB: Not applicable.	
Other adverse effects No further relevant information available.	

### 13 Disposal considerations

· Waste treatment methods

• Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

Transport information	
UN-Number DOT, ADN, IMDG, IATA	Not Regulated
UN proper shipping name DOT, ADN, IMDG, IATA	Not Regulated
Transport hazard class(es)	
DOT, ADN, IMDG, IATA Class	Not Regulated
Packing group DOT, IMDG, IATA	Not Regulated
Environmental hazards: Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	Il of Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Not Regulated

(Continued on page 7)



Printing date 01/16/2024

#### Reviewed on 01/10/2023

#### Trade name: Butyl Caproate natural

(Continuation of page 6)

. Core	nealth and environmental regulations/legislation specific for the substance or mixture
· Sara	355 (extremely hazardous substances):
	ce is not listed.
	313 (Specific toxic chemical listings):
	ce is not listed.
	oxic Substances Control Act):
-	
	ce is not listed.
· Proposi	
-	als known to cause cancer:
	ce is not listed.
	als known to cause reproductive toxicity for females: ce is not listed.
	als known to cause reproductive toxicity for males: ce is not listed.
	als known to cause developmental toxicity:
Substan	ce is not listed.
	genic categories
•	vironmental Protection Agency)
Substan	ce is not listed.
•	reshold Limit Value)
Substan	ce is not listed.
· NIOSH-(	Ca (National Institute for Occupational Safety and Health)
	ce is not listed.
Pictogra	el elements ms on label shall be in the shape of a square set at a point and shall include a black hazar on a white background with a red frame sufficiently wide to be clearly visible. stance is classified and labeled according to the Globally Harmonized System (GHS). pictograms Not Applicable
<sup>.</sup> Hazard ا Signal w	vord Warning
· Hazard   · Signal w · Hazard s	statements
<ul> <li>Hazard  </li> <li>Signal w</li> <li>Hazard s</li> <li>H227 Cc</li> </ul>	statements ombustible liquid.
<ul> <li>Hazard I</li> <li>Signal w</li> <li>Hazard S</li> <li>Hazard S</li> <li>H227 Co</li> <li>Precauti</li> <li>P210</li> <li>P280</li> <li>P370+P3</li> </ul>	statements



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#### Reviewed on 01/10/2023

#### Trade name: Butyl Caproate natural

(Continuation of page 7)

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### 16 Other information This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. · Department issuing SDS: Product Safety Department · Contact: **Product Safety Department** productsafety@adv-bio.com Date of preparation / last revision 01/16/2024 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** Flammable Liquids 4: Flammable liquids - Category 4