

Section 1. Product and Company Identification

**Product Name** Natural Butyric Acid  
**CAS Number** 107-92-6

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
☎ (914) 654-6800 ☎ (914) 654-6899  
🌐 [parchem.com](http://parchem.com) ✉ [info@parchem.com](mailto:info@parchem.com)

EMERGENCY RESPONSE NUMBER  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**Physical Hazards**

Flammable liquids: Category 4

**Health Hazards**

Skin corrosion: Category 1B

Serious eye damage: Category 1

**Environmental Hazards**

Acute aquatic toxicity: Category 3

Chronic aquatic toxicity: Category 3

**GHS Label Elements**

**Pictograms:**



**Signal word:** DANGER

**Hazard and precautionary statements**

**Hazard Statements**

**Physical Hazards**

H227 Combustible liquid

**Health hazards**

H314 Causes severe skin burns and eye damage

**Environmental hazards**

H412 Harmful to aquatic life with long lasting effects

## Precautionary Statements

### Prevention

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P264 Wash... thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Response

- P310 Immediately call a POISON CENTER/doctor/...  
P321 Specific treatment (see ... on this label).  
P363 Wash contaminated clothing before reuse.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and  
P370+P378 In case of fire: Use ... to extinguish.

### Storage

- P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Disposal

- P501 Dispose of contents/container to ... your waste control program

**Other Hazards:** No additional information available

## Section 3. Composition / Information on Ingredients

<b>Common Name</b>	Natural Butyric Acid
<b>Formula</b>	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>
<b>CAS Number</b>	107-92-6

COMPONENT	CAS NUMBER	CONCENTRATION
Natural Butyric Acid	107-92-6	>= 99.0%

## Section 4. First Aid Measures

### Description of necessary measures

**Inhalation Exposure:** If inhaled, move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**Skin Exposure:** In case of contact, immediately wash skin with soap and copious amounts of water. Consult a physician.

**Eye Exposure:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes as a precaution.

**Oral Exposure:** If swallowed; do not induce vomiting. Wash out mouth with water provided person is conscious. Call a physician.



**Most important symptoms/effects, acute and delayed:** If you feel unwell, seek medical advice (show the label where possible)

**Indication of immediate medical attention and special treatment, if necessary:** If the person is unconscious immediately call 911. Never give anything by mouth to an unconscious person.

#### Section 5. Firefighting Measures

**Extinguishing media:**

**Suitable:** For smaller fires use: Foam; Carbon Dioxide; Dry Chemical Powder

**For Larger fires use:** From a distance use very large quantities of misted water (flooding).

**Unsuitable:** Unknown

**Specific hazards arising from the chemical:** Emits toxic fumes under fire conditions - carbon oxides.

**Special protective equipment and precautions for firefighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Further information:** Use flooding water to cool unopened containers

#### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors, mist or gas. Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in lower areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Contain spillage and ventilate. Collect with a properly grounded dedicated wet vacuum and place in container for waste disposal (see company waste SOP)

#### Section 7. Handling and Storage

**Precautions for safe handling:** Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. No smoking! Avoid any electrostatic charges. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. All equipment used when handling the product must be grounded. Contaminated rags and cloths must be put in fireproof containers for disposal.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed. Keep away from heat and open flame. Store container(s) in a cool & dry place.



Section 8. Exposure Controls / Personal Protection

**Control parameters:** Contains no substance with occupational limit values.

**Appropriate Engineering Controls:** Practice proper hygienic and work place safety procedures.

**Individual protection measures (PPEs)**

**Eye Protection:** Chemical Safety goggles

**Skin (Hand) Protection:** Chemical resistant gloves

**Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH approved respirator protection should be worn

**Other Information**

Wash contaminated clothing before reuse

Wash thoroughly after handling

When using do not eat, drink, or smoke

Section 9. Physical and Chemical Properties

**Appearance:** Colorless to slightly yellow liquid

**Odor:** Sour, cheese

**Odor Threshold:** N/A

**pH:** 3 at 20°C

**Melting point/freezing point:** -7.9

**Initial Boiling Point and Boiling:** 164°C

**Flash Point:** 161.6°F (72.0°C)

**Evaporation Rate:** N/A

**Flammability (solid, gas):** N/A

**Upper/lower flammability or explosive limits:** N/A

**Vapor pressure:** 0.57 hPa at 20°C

**Vapor Density:** 3.04 g/l

**Relative Density:** 0.953 - 0.957 g/cm<sup>3</sup>

**Refractive index:** 1.397-1.399

**Solubility (ies):** N/A

**Partition coefficient (n-octanol/water):** N/A

**Auto-ignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Viscosity:** N/A

Section 10. Stability and Reactivity

**Reactivity:** No data available

**Chemical Stability:** Stable under recommended storage conditions.



**Possibility of hazardous reactions:** No data available  
**Conditions to avoid:** Heat, flames, and sparks  
**Incompatible materials:** Oxidizing agents, Acids, and Bases  
**Hazardous Decomposition Products:** No data available

Section 11. Toxicological Information

**Information on the likely routes of exposure:**

**Inhalation:** Maybe harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory system.

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** Causes burns

**Skin Absorption:** Readily absorbed through skin. May be harmful if absorbed through skin.

**Eye Contact:** Causes burns

**Symptoms related to the physical, chemical and toxicological characteristics:** Basic symptoms include, but are not exclusive, irritation, nausea, unconsciousness (consult specialist or Chemtrec).

**Delayed and immediate effects and also chronic effects from short and long term exposure:** Consult physician, specialist and/or Chemtrec.

**Numerical measures of toxicity (acute estimates):** To the best of our knowledge, the toxicological properties are the following:

**Oral: rat LD50:** 2,940 mg/kg

**Dermal: rabbit LD50:** 6,083 mg/kg

**Inhalation: Rat LC50:** No data available

**Intravenous: Rat LD50:** No data available

**Parenteral: Rat LD50:** No data available

Section 12. Ecological Information

**Ecotoxicity (Aquatic and Terrestrial):**

**Toxicity to fish:** LC50 - *Leuciscus idus melanotus* - 96 mg/l (48 h)

**Toxicity to daphnia and other aquatic invertebrates:** EC50 - *Daphnia magna* (Water flea) - 61.7 mg/l (24 h)

**Persistence and degradability:** Biotic/Aerobic - Exposure time 5 d

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** Avoid release to environment

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.



Section 14. Transport Information

**DOT (US)**

**UN#:** 2820

**Proper Shipping Name:** Butyric acid

**Class:** 8

**Packing Group:** III

**IMDG**

**UN#:** 2820

**Proper Shipping Name:** Butyric acid

**Class:** 8

**Packing Group:** III

**IATA**

**UN#:** 2820

**Proper Shipping Name:** Butyric acid

**Class:** 8

**Packing Group:** III

Section 15. Regulatory Information

**SARA 302 Components:** Not subject to reporting requirements of SARA Title III, section 302.

**SARA 313 Components:** Not subject to reporting requirements of SARA Title III, section 313.

**SARA 311/312 Hazards:** Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right to Know Components**

Butyric acid (CAS#: 107-92-6)

**Pennsylvania Right to Know Components**

Butyric acid (CAS#: 107-92-6)

**New Jersey Right to Know Components**

Butyric acid (CAS#: 107-92-6)

**TSCA:** On inventory list

**California Prop. 65 Components:** not listed

**HMIS Rating**

**Health:** 3\*

**Flammability:** 2

**Reactivity:** 0



**NFPA Rating**  
**Health:** 3  
**Flammability:** 2  
**Reactivity:** 0

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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