

Butyric acid

SAFETY DATA SHEET

SDS

EPOCH MASTER GLOBAL BUSINESS (JIANGSU)

according to GHS(sixth revised edition)

Section 1 - Product and Company Identification

Product name	Butyric acid
Applicant name	EPOCH MASTER GLOBAL BUSINESS (JIANGSU)
Application address	NO.8406-771, 4TH FLOOR, COMPLEX BUILDING, NO.85 WENTAI STREET,JIANGXINZHOU, JIANYE DISTRICT, NANJING JIANGSU,CHINA
Applicant emergency number	+025-83365586
Effective date	May 13, 2024

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the sixth revised edition):

GHS hazard class

Physical hazard	Flammable liquids	category4
Health hazards	Acute toxicity, oral	category4
	Skin corrosion/irritation	category1

Pictogram



Signal	Danger
Hazard statements	H227 Combustible liquid H302 Harmful if swallowed H314 Causes severe skin burns and eye damage

Precautionary statements

Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor/if you feel unwell. 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 [or 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 easy to do. Continue rinsing.
	P312 Call a POISON CENTER/doctor/if you feel unwell.
	P330 Rinse mouth.
	P363 Wash contaminated clothing before reuse.
Storage	P403+P235 Store in a well-ventilated place. Keep cool.
	P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Butyric acid	99%	107-92-6	203-532-3

Section 4 – First Aid Measures

After skin contact	Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After ingestion	Do Not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxides.
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for taking in and cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

Section 7 – Handling and Storage

Handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

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

Engineering Controls Safety shower and eye bath. Mechanical exhaust required.

Respiratory protection Use a full-face supplied air respirator.

Eye protection Wear chemical goggles.

Hand Protection Wear impervious chemical resistant gloves.

Body protection Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: Colorless transparent liquid

Odor: Stench

Odor threshold: No data available

pH value: No data available

Melting point/freezing point(°C): -7.9

Initial boiling point and boiling range(°C): 163.5

Flash point(°C)(closed cup): 71.7

Evaporation Rate: No data available

Flammability: No data available

Upper explosive limit%(V/V): 10.0

Lower explosive limit%(V/V): 2.0

Vapor pressure(MPa): No data available

Vapor density(g/mL): No data available

Relative density(g/cm³): 0.96

Solubility: No data available

Octanol / water partition coefficient: No data available

Auto-ignition temperature(°C): No data available

Decomposition temperature(°C): No data available

Kinematic viscosity (mm²/s): No data available

Section 10 – Stability and Reactivity

Reactive No data available

Chemical stability Stable under the condition recommended.

Possibility of hazardous reactions No data available

Avoid conditions Heat, flames and sparks.

Incompatible materials Strong oxidizing agents

Hazardous decomposition products No data available

Section 11 – Toxicological Information

Acute toxicity:

Butyric acid: LD₅₀(rat, Oral) 1600mg/kg; LD₅₀(rat, Dermal)6096 mg/kg

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: Butyric acid (CAS No. 107-92-6) : No data available

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Aspiration hazard: No data available

Section 12 – Ecological Information

Toxicity:

Butyric acid:EC₅₀(Daphnia magna,24h) 61.7mg/L

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available.

Section 13 – Disposal Considerations

Property of waste: No data available

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations. Burning method is recommended.

Precautions of disposal: Professional processing together

Section 14 - Transport Information

UN number: 2820

UN proper shipping name: BUTYRIC ACID

Transportation primary hazard class: 8

Transportation secondary hazard class: —

Packing group: III

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Butyric acid	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Other information: This Safety Data Sheet (SDS) was prepared according to UN GHS (the sixth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

