

Section 1. Product and Company Identification

Product Name Butyl Butyrate
CAS Number 109-21-7

Parchem - fine & specialty chemicals
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New Rochelle, NY 10801
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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

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids - Category 3

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool



Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC): Not Available

Section 3. Composition / Information on Ingredients

Common Name	Butyl Butyrate
Synonym(s)	Butyl Butanoate
Formula	$C_8H_{16}O_2$
CAS Number	109-21-7

Section 4. First Aid Measures

First-aid measures for different exposure routes

General advice: Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact: Wash off immediately with plenty of water.

Inhalation: Move to fresh air.

Ingestion: Clean mouth with water and afterwards drink plenty of water.

Protection of first-aiders: Remove all sources of ignition.

Most important symptoms/effects, acute and delayed: Not available

Indication of immediate medical attention and special treatment needed, if necessary: Not available

Notes to physician: Treat symptomatically.

Section 5. Firefighting Measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical: Flammable.

Explosion Data

Sensitivity to Mechanical Impact: none.

Sensitivity to Static Discharge: Yes.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions: Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition.

Incompatible products: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure controls

Engineering Measures: Showers; Eyewash stations; Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: No information available

Skin and body protection: Chemical resistant apron.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air



respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures: When using, do not eat, drink, or smoke. Provide regular cleaning of equipment, work area, and clothing.

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State (20°C): Liquid

Appearance: Clear colorless

Odor: Characteristic

Odor Threshold: No information available

pH: No information available

Melting point/range: -33°F / -36°C

Freezing Point: No information available

Initial Boiling Point: No information available

Boiling point/boiling range: 338°F / 170°C

Flash point: 126°F / 52°C

Evaporation Rate: No information available

Flammable Properties: Flammable; may be ignited by heat, sparks or flames

Flammability Limits in Air: No information available

Explosive properties: No information available

Oxidizing Properties: No information available

Vapor Pressure (20°C): 1.240 kPa

Vapor Density: No information available

Specific Gravity: 0.869

Water Solubility: Soluble in Water

Solubility: No information available

Partition coefficient: No information available

Auto-ignition temperature: No information available

Decomposition Temperature: No information available

Viscosity - Dynamic: No information available

Molecular Weight: 144.21

VOC Content: No information available

Section 10. Stability and Reactivity

Reactivity: Exothermic reaction

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal processing.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: None known based on information supplied.



Section 11. Toxicological Information

Information on likely routes of exposure

Product Information: Product does not present an acute toxicity hazard based on known information

Inhalation: There is no data available for this product.

Eye contact: There is no data available for this product.

Skin contact: There is no data available for this product.

Ingestion: There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Butyl Butyrate (CAS# 109-21-7)	-	5 g/kg (Rabbit)	-

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization: No information available.

Mutagenic effects: No information available.

Reproductive Toxicity: No information available.

Specific target organ systemic toxicity (single exposure): No information available.

Specific target organ systemic toxicity (repeated exposure): No information available.

Aspiration hazard: No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (dermal): 5000 mg/kg

LD50 Dermal (mg/kg): > 5000 (rabbit) mg/kg

Section 12. Ecological Information

Ecotoxicity: 100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available

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

Bulk Packaging

NA Number: 1993

Proper shipping name: Combustible liquid, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packing Group: III

DOT

Non-Bulk Packaging

NA Number: 1993

Proper shipping name: Combustible liquid, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packing Group: III

IMDG/IMO

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packaging Group: III

MEX

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packaging Group: III

ICAO

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packing Group: III

ICAO/IATA

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packing Group: III

TDG

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packaging Group: III

RID

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packaging Group: III

ADR/RID

UN Number: 3272

Proper shipping name: Esters, N.O.S., (Butyl Butyrate)

Hazard Classification: 3

Packaging Group: III

ADN

UN Number: 3272

Proper shipping name: Esters, N.O.S.

Hazard Classification: 3

Packaging Group: III

Section 15. Regulatory Information

International Inventories

TSCA: Complies

DSL/NDSL: Complies

EINECS/ELINCS: Complies

ENCS: Complies

IECSC: Complies

KECL: Complies

PICCS: Complies

AICS: Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances



U.S. Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: Yes

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

HMIS Rating

Health: 0

Flammability: 2

Reactivity: 0

Personal Protection: X

NFPA Rating

Health: 0

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.

REVISION DATE: 5/24/2016