



Chemistry for Safer, Sustainable Life

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** Butyl laurate

**Product ID:** BULAU

**Chemical Name/Synonyms:** butyl dodecanoate, dodecanoic acid butyl ester, lauric acid butyl ester

**CAS:** 106-18-3

**Molecular Formula:** C<sub>16</sub>H<sub>32</sub>O<sub>2</sub>

**Molecular weight:** 256.42 g/mol

**Potential Uses:** professional, research & development, and laboratory uses

**Company:** BioFuran Materials LLC

920 William Pitt Way, Pittsburgh, PA 15238

**In emergency call 911 or for information about this SDS, use this contact phone#:** 412-376-7101

## Section 2: GHS Hazard(s) Identification

**Hazard Classification:** This compound is not considered hazardous according to the 2012 OSHA Hazard Communication Standard.

**Hazard Statements:** none

**Signal Word(s):** Warning

**Pictograms:**



**Precautionary Statements:** P261 – Avoid breathing vapors  
P261+P391 – Avoid release to the environment. Collect spillages.  
P280 – Wear protective gloves / protective clothing, eye protection / face protection  
P302+P351+P338 – If in your eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and rinse for at least 15 minutes.  
P312 – Immediately call a poison control center or a physician if you feel unwell.  
P313+P332 – If skin irritation occurs: Get medical advice/attention.

**Other hazards:** none

### Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Butyl laurate	lauric acid butyl ester	106-18-3	100%

### Section 4: First-Aid Measures

**After skin contact:** 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 inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**After swallowing:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms:** May cause skin or eye irritation.

### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with skin and eyes. Do not breathe dust.

### Section 6: Accidental Release Measures

**Personal precautions:** Wear protective equipment as described in Section 8.

**Measures for environmental protection:** Do not dispose product in municipal sewers or drains. Notify authorities if product enters sewers or public waters.

**Measures for cleaning/collecting:** Pick up and arrange disposal without creating dust. Sweep up and shovel any spillages. Keep all wastes and residues in suitable, closed containers for disposal.

### Section 7: Handling and Storage

**Handling:** Avoid contact with skin and eyes. Avoid dust formation and do not breathe dust. Provide local exhaust or general room ventilation to minimize exposure to dust.

**Storage:** Keep container tightly closed.

**General Hygiene:** Eating, drinking, and smoking in the work area is prohibited. Wash hands after use and remove contaminated clothing and protective equipment before entering eating areas.

### Section 8: Exposure Controls/Personal Protection

**Protection of hands:** Use neoprene or nitrile rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact. Dispose used gloves after use in line with good laboratory practices.

**Body protection:** Wear chemical resistant aprons, coveralls, or lab coats.

**Eye protection:** Chemical goggles with side shields conforming to NIOSH (US). Contact lenses should not be worn.

**General protective and hygienic measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

**Breathing equipment:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified P95 respirator is recommended.

### Section 9: Physical and Chemical Properties

**Appearance:** colorless to yellowish oil  
**Odor:** waxy odor  
**pH:** no data available  
**Melting point/melting range:** no data available  
**Boiling point/boiling range:** 175-185°C  
**Flash point:** no data available  
**Auto ignition temperature:** no data available  
**Danger of explosion:** no data available  
**Vapor pressure:** no data available  
**Relative density:** 0.8-0.9g/mL  
**Solubility in/Miscibility with water:** no data available

### Section 10: Stability and Reactivity

**Reactivity:** No known reactivity under normal conditions of use  
**Chemical stability:** Air sensitive. Keep in tightly closed container.  
**Conditions to avoid:** none recommended  
**Incompatible materials:** Strong bases  
**Hazardous decomposition products:** oxides of carbon

### Section 11: Toxicological Information

**Acute toxicity:** no data available  
**Potential routes of exposure/potential health effects**  
**Skin:** May irritate the skin  
**Eye:** Slightly hazardous in case of eye contact  
**Inhalation:** May cause respiratory irritation  
**Ingestion:** Maybe harmful if swallowed  
**Carcinogenic effects:** No data available  
**Mutagenic effects:** No information available  
**Reproductive toxicity:** No data available  
**Sensitization:** No data available  
**Target organs:** No data available

### Section 12: Ecological Information

**Ecotoxicity:** No data available  
**Mobility:** No data available  
**Biodegradation:** readily biodegradable  
**Bioaccumulation:** Low bioaccumulation potential  
**Bioaccumulation:** no data available

### Section 13: Disposal Considerations

This material or its residues should not be disposed in drains or in regular trash cans. Contact a licensed waste disposal professional to dispose this material or its residues.

## Section 14: Transport Information

**DOT regulations:** Not dangerous goods

- **Land transport ADR/RID (cross-border):** Not regulated for transport
- **Maritime transport IMDG:** Not dangerous goods
- **Air transport ICAO-TI and IATA-DGR:** Not dangerous goods

## Section 15: Regulatory Information

### US Federal Regulations

**SARA Section 302:** This material is not subject to reporting requirements of SARA Title III, Section 302

**SARA Section 313:** This material is not subject to reporting levels established by SARA Title III, Section 313

**TSCA (Toxic Substances Control Act):** Butyl laurate is listed on the United States TSCA

### State Regulations

Massachusetts: not listed

New Jersey: not listed

Pennsylvania: not listed

California: not listed

## Section 16: Other Information

**SDS date of preparation/update:** 03/29/2021 Version 001

**Disclaimer:** For R&D use only, not for drug or household use.