

SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-T-09978
Product Name	Butyric Anhydride
CAS No.	106-31-0
Category	Intermediate
Synonyms	Not available
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H302	Harmful if swallowed.
H314	Not available
H318	Causes serious eye damage.
H227	Not available

H371	Not available
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Precautionary Statement(s)

Code	Statement
P260	Not available
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P270	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P317	Not available
P301+P330+P331	Not available
P302+P361+P354	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P316	Not available
P317	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P363	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P210	Not available
P308+P316	Not available
P370+P378	Not available
P403	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Butyric Anhydride

CAS Number : 106-31-0

Molecular Formula : -

Molecular Weight : -

Parent Chemical : -
Synonyms : Not available
Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

General advice: Remove contaminated clothing and shoes. Seek medical attention if symptoms persist.

Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.

Skin contact: Wash immediately with plenty of water and soap. Seek medical attention if irritation persists.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing. Get medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

May produce irritating and/or toxic fumes under fire conditions. No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool unopened containers exposed to fire with water spray. Prevent fire-fighting water from entering drains or waterways.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors/mist. Avoid contact with skin and eyes. Provide adequate ventilation. Wear appropriate personal protective equipment.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent entry into drains, sewers, or waterways.

6.3 Methods and material for containment and cleaning up

Contain spill. Absorb with inert material (e.g., dry sand/earth/vermiculite). Collect in suitable, closed containers for disposal. Clean contaminated area after material pickup.

6.4 Reference to other sections

See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors/mist. Avoid contact with skin, eyes, and clothing. Use only with adequate ventilation. Keep container tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Keep container tightly closed. Protect from moisture. Keep away from incompatible materials. Incompatible materials: Not available.

7.3 Specific end use(s)

Intermediate. No further information available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits: Not available.

Biological limit values: Not available.

8.2 Exposure controls

Engineering controls: Provide adequate ventilation. Use local exhaust where appropriate.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves and protective clothing.
- Respiratory protection: Use appropriate respiratory protection if ventilation is inadequate.
- Hygiene measures: Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

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10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, moisture, and incompatible materials. No data available.

10.5 Incompatible materials

Not available.

10.6 Hazardous decomposition products

Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: LD50 Rat oral 8790 mg/kg
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: BUTYRIC ANHYDRIDE CAUSES PERSISTENT EYE IRRITATION IF CONTACT WITH VAPOR IS REPEATED & PROLONGED. IT IS ALSO A SKIN IRRITANT. /SIGNS AND SYMPTOMS/ BUTYRIC ANHYDRIDE CAUSES PERSISTENT EYE IRRITATION IF CONTACT WITH VAPOR IS REPEATED AND PROLONGED. IT IS ALSO A SKIN IRRITANT.
- Respiratory or skin sensitization: /SIGNS AND SYMPTOMS/ ...THEY MAY PRODUCE CHRONIC CONJUNCTIVITIS. THEY ARE SLOWLY HYDROLYZED ON CONTACT WITH BODY TISSUES AND MAY OCCASIONALLY CAUSE SENSITIZATION. /ACID ANHYDRIDES/
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: /SIGNS AND SYMPTOMS/ ...THEY MAY PRODUCE CHRONIC CONJUNCTIVITIS. THEY ARE SLOWLY HYDROLYZED ON CONTACT WITH BODY TISSUES AND MAY OCCASIONALLY CAUSE SENSITIZATION. /ACID ANHYDRIDES/
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- /SIGNS AND SYMPTOMS/ BUTYRIC ANHYDRIDE CAUSES PERSISTENT EYE IRRITATION IF CONTACT WITH VAPOR IS REPEATED AND PROLONGED. IT IS ALSO A SKIN IRRITANT.

SECTION 12: Ecological information

SECTION 12: Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not available.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

Not available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge to drains or the environment. Contaminated packaging: Dispose of as unused product. No data available on specific disposal codes.

SECTION 14: Transport information

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14.1 UN number

Not available.

14.2 UN proper shipping name

Not available.

14.3 Transport hazard class(es)

Not available.

14.4 Packing group

Not available.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Not available.

14.7 Transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available.

15.2 Chemical safety assessment

Not available.

SECTION 16: Other information

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CAS No.: 106-31-0

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Disclaimer: The information provided is believed to be accurate based on available data, but no warranty is expressed or implied. Users should determine suitability for their particular application and comply with all applicable laws and regulations.

Revision date: Not available.

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