

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

<b>Catalogue Number</b>	CS-BX-00492
<b>Product Name</b>	Isobutyric Acid
<b>CAS No.</b>	79-31-2
<b>Category</b>	Fine Chemicals
<b>Synonyms</b>	Isobutyric acid (8CI); 2-Methyl-1-propanoic acid; Isopropylformic acid; MeSH ID: D058610
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto: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.
H312	Harmful in contact with skin.
H226	Not available

H311	Not available
H314	Not available
H318	Causes serious eye damage.
H301	Not available
H335	Not available

**Precautionary Statement(s)**

Code	Statement
P264	Wash hands thoroughly after handling.
P270	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P317	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P317	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P210	Not available
P233	Not available
P240	Not available
P241	Not available
P242	Not available
P243	Not available
P260	Not available
P262	Not available
P264+P265	Not available
P301+P330+P331	Not available
P302+P361+P354	Not available
P303+P361+P353	Not available

P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P316	Not available
P361+P364	Not available
P363	Not available
P370+P378	Not available
P403+P235	Not available
P405	Store locked up.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P301+P316	Not available
P319	Get medical help if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Isobutyric Acid

CAS Number : 79-31-2

Molecular Formula : C4H8O2

Molecular Weight : 88.11

Parent Chemical : -

Synonyms : Isobutyric acid (8Cl); 2-Methyl-1-propanoic acid; Isopropylformic acid; MeSH ID: D058610

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 or are severe.

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

Skin contact: Wash with plenty of water. 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. Seek medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek 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: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide.

Unsuitable extinguishing media: Not available.

##### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon oxides. Other decomposition products: No data available.

##### 5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective gear. Use water spray to cool unopened containers.

Avoid breathing fumes, vapors, or spray.

### SECTION 6: Accidental release measures

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors/mist. Avoid contact with skin and eyes.

##### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent entry into drains, surface water, or soil.

##### 6.3 Methods and material for containment and cleaning up

Contain spill. Absorb with inert material (e.g., sand, earth, vermiculite). Collect in suitable, closed containers for disposal. Wash spill 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. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors/mist.

##### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, 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)

Fine chemical / laboratory use. No data 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: Chemical-resistant gloves. Protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection.
- 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

Property	Value
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

#### SECTION 10: Stability and reactivity

##### 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, flames, and other ignition sources. Other conditions: Not available.

##### 10.5 Incompatible materials

Not available.

##### 10.6 Hazardous decomposition products

Carbon oxides. Other decomposition products: No data available.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: /LABORATORY ANIMALS: Acute Exposure/ In an open rabbit skin irritation test, isobutyric acid (0.01 mL, 10 mg) caused some necrosis in 24 hr. /LABORATORY ANIMALS: Acute Exposure/ No fatalities occurred when rats inhaled air saturated with isobutyric acid vapor for 8 hr.
- Skin corrosion/irritation: /LABORATORY ANIMALS: Acute Exposure/ In an open rabbit skin irritation test, isobutyric acid (0.01 mL, 10 mg) caused some necrosis in 24 hr.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: Isobutyric acid is moderately severe primary irritant to skin & eye in concentrated form. It is not a skin sensitizer. /LABORATORY ANIMALS: Acute Exposure/ Isobutyric acid is moderately severe primary irritant to skin & eye in concentrated form. It is not a skin sensitizer.
- Germ cell mutagenicity: No data available.

- Carcinogenicity: No data available.
- Reproductive toxicity: EC50; Species: *Xenopus laevis* (African clawed frog, embryo); Conditions: freshwater, renewal, pH 7.0-7.8; Concentration: 2567400 ug/L for 96 hr (2092000-3041000 ug/L); Effect: increased developmental changes, general (craniofacial defects, abnormal gut coiling) /> or =98% purity/
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

## SECTION 12: Ecological information

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data 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.

Contaminated packaging: Dispose of as unused product or according to local regulations.

Waste code: Not available.

## SECTION 14: Transport information

### SECTION 14: Transport information

#### 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 Maritime 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

No data available.

### SECTION 16: Other information

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Product name: Isobutyric Acid

Catalog no.: CS-BX-00492

CAS no.: 79-31-2

Synonyms: Isobutyric acid (8CI); 2-Methyl-1-propanoic acid; Isopropylformic acid; MeSH ID: D058610

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

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Revision date: Not available.

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