

# MATERIAL SAFETY DATA SHEET



Version No : 02      Version Date: 06-Oct-2025

Issue Date :      06-Oct-2025

Generic GHS MSDS; Regulation (EC) No 1272/2008;  
Regulation (EC) No 1907/2006 amended by Regulation  
(EU)2020/878) No Country specific Data; No OEL Data

4-Chlorobutanoyl Chloride

PA 12 0101003

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Product Code	PA 12 0101003	CAS No	4635-59-0
Product Name	4-Chlorobutanoyl Chloride		
Reach No	NA		

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses - Laboratory chemicals for research and analysis.

1.2.2 Uses advised against - NA

### 1.3 Details of the supplier of the safety data sheet

Pharmaffiliates Private Ltd.  
Plot No 225, Phase II  
Industrial Area, Panchkula. INDIA

### 1.4 Emergency telephone number

+91-172-5066494. +1-310-2949997

## 2. HAZARD STATEMENTS

### 2.1 Labelling according Regulation (EC) 1272/2008



### 2.2 Classification of the substance or mixture

H336 - May cause drowsiness or dizziness - Specific target organ toxicity (single exposure) [ Category 3 ]

H361 (5) - Suspected of damaging fertility or the unborn child - Reproductive toxicity [ Category 2 ]

### 2.3 Other hazards

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P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308 + P313 - IF exposed or concerned: Get medical advice/attention.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances/Substance Name:**      **4-Chlorobutanoyl Chloride**

**CAS No**      4635-59-0

**Substance type :**      Mono-constituent

**Percent**      >97%

**3.2 Mixtures**

NA

## 4. FIRST-AID MEASURES

**4.1 Description of first aid measures**

In case of inhalation : Supply fresh air. If not breathing supply artificial respiration. If breathing gets difficult, supply oxygen. Immediately seek medical attention.

In case of contact with skin: Immediately wash skin with copious amounts of water and soap for at least 15 minutes. If irritation persists, seek medical attention.

In case of contact with eyes: Immediately flush eyes with copious amounts of water at least for 15 minutes. Seek medical advice

In case of ingestion: If swallowed, rinse mouth with water, if the person is conscious. Do not induce vomiting. Seek medical advice Remove and wash/dispose of contaminated clothing immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

NA

**4.3 Indication of any immediate medical attention and special treatment needed**

NA

## 5. FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media

**Suitable extinguishing media:**      Water spray, Carbon dioxide, Dry powder.

**Unsuitable extinguishing media:**      Do not use a heavy water stream.

**Surrounding fires :**      Use water spray or fog for cooling exposed containers.

**Protection against fire :**      Do not enter fire area without proper protective equipment, including respiratory protection

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

### 5.3 Advice for firefighters - NA

## 6. ACCIDENTAL RELEASE MEASURES

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

Ensure personal safety, mark out the contaminated area with warning signs and prevent unauthorized access. Turn leaking containers in a way to prevent further leakage. Evacuate area. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Sweep-up / absorb in the suitable material, placed in a container and hold for disposal. Avoid raising dust.  
Ventilate area and collect spilled material.

### 6.2 Environmental precautions - NA

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

### 6.4 Reference to other sections - NA

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling - NA

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

### 7.3 Specific end use(s)

No Data available

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters

Good Hygiene practices should be strictly followed

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## 8.2 Exposure controls

Respiratory Protection	Required when dusts is generated.
Eye Protection	Required
Hand Protection	Required
Industrial hygiene	Immediately change contaminated clothing. Wash hands and face after working with substance

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	White Solid
b) Odor	No Data Available
c) Melting point	115 - 117 C
d) Boiling point	No Data Available
e) Flammability	No Data Available
f) Flash point	No Data Available
g) Decomposition temperature	No Data Available
h) pH	No Data Available
i) Viscosity	No Data Available

### 9.2 Other safety information - NA

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	None under normal conditions
10.4 Conditions to avoid	Heat, Sources of Ignition
10.5 Incompatible materials	Oxidizing agents
10.6 Hazardous decomposition products	Carbon monoxide, Carbon dioxide, Nitrogen, Hazardous polymerization : Will not occur. Conditions to be avoided.

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### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation : Not classified (Lack of data)

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : Not classified (Conclusive but not sufficient for classification)

Germ cell mutagenicity : Not classified (Lack of data)

Carcinogenicity : Not classified (Lack of data)

Reproductive toxicity : Not classified (Lack of data)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure: Not classified

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

#### 11.2 Information on other hazard

No Data available

### 12. ECOLOGICAL INFORMATION

12.1 Toxicity	Not Known
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

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of this material and its container at hazardous or special waste collection point.

Do not dispose of or mix with household garbage.

### 14. TRANSPORT INFORMATION

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### 14.1 UN Number

ADR/RID :    NA

IMDG :    NA

IATA :    NA

### 14.2 UN proper shipping name

ADR/RID :    4-Chlorobutanoyl Chloride

IMDG :    4-Chlorobutanoyl Chloride

IATA :    4-Chlorobutanoyl Chloride

### 14.3 Transport hazard class(es)

ADR/RID :    NA

IMDG :    NA

IATA :    NA

### 14.4 Packaging group

ADR/RID :    NA

IMDG :    NA

IATA :    NA

### 14.5 Enviromental hazards

ADR/RID :    NO

IMDG :    NO

IATA :    NO

### 14.6 Special precautions for user

Tunnel restriction code :      NO

Further information      :      No Data Available

### 14.7 Maritime transport in bulk according to IMO instruments

NA

## 15. REGULATORY INFORMATION

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

NA

### 15.2 Chemical safety assessment

No other data available

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### 16. OTHER INFORMATION

While the information herein is believed to be reliable, it is furnished without warranty of any kind. It shall be used only as a guide. Pharmaffiliates make no warranties and representations as to the accuracy and completeness of the information contained herein. Pharmaffiliates shall not be held responsible for the suitability of this information for user's intended purposes or the consequences of such use.

Note : Global Harmonization System (GHS) was developed by a United Nations (UN) international team of hazard communication experts. It covers the requirements of EU No 1907/2006 amended by Regulation (EU) 2020/878 and 1272/2008 (CLP). Packed material is in very small amounts and not in tonnage it therefore do not call for REACH regulation