

**Baclofen**

**Revision Date: 20/10/2018, Version: 03**

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**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

**1.1 Product identifier:**

Product Name : Baclofen  
Synonyms : 4-Amino-3-(4-chlorophenyl)butanoic acid; (±)-Baclofen;  
β-(Aminomethyl)-p-chlorohydrocinnamic acid; Lioresal;  
(±)-4-Amino-3-(4-chlorophenyl)butanoic acid; Myospan.  
CAS No. : 1134-47-0.  
EC No./EINECS : 214-486-9.

**1.2 Relevant identified uses of the substance and uses advised against:**

Recommended uses : As a Active Pharmaceuticals Ingredients.

**1.3 Details of the Supplier & Emergency Telephone number:**

Company Name : Medilux Laboratories Private Limited  
Plot No. 98-99, Sector-1, Industrial area,  
Pithampur- 454775, Dist.- Dhar (M.P.) India  
Phone : + 91-7292-409991/92/93  
Fax : + 91-7292-409995  
Email : [info@medilux.co.in](mailto:info@medilux.co.in)  
Web : [www.medilux.co.in](http://www.medilux.co.in)  
Emergency Phone : + 91-7292-409991/92/93

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance**

**GHS classification in accordance with CLP 1272/2008 and 29 CFR 1910 [OSHA HCS]**

**Physical hazards** : Not classified

**Health hazards** :

Acute toxicity, Oral (Category 3)

Sensitization, skin (Category 1)

Reproductive toxicity (Category 1)

Specific target organ toxicity - single exposure (Category 3) narcotic effect

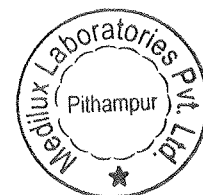
**Environmental hazards:** Not classified

**2.2 Label elements**

**Pictogram** : GHS06 GHS07 GHS08



**Signal word** : Danger



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**Hazard statement**

- H301: Toxic if swallowed.
- H317: May cause an allergic skin reaction.
- H336: May cause drowsiness or dizziness.
- H360: May damage fertility or the unborn child.

**Precautionary statement(s)**

**Prevention**

- 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
- P264: Wash hands and other exposed areas thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P280: Wear protective gloves/protective clothing/eye protective/ face protective.

**Response**

- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / Physician if you feel unwell.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P308+P313: IF exposed or concerned: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P312: Call a POISON CENTER/doctor/physician if you feel unwell.
- P330: Rinse mouth.

**Storage**

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

**Disposal**

- P501: Dispose of contents/container to Hazardous waste accordance with local/regional/national regulation

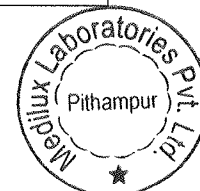
**2.3 Other hazards:** None

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Substance**

Chemical Name : 4-Amino-3-(4-chlorophenyl)butanoic acid  
 Molecular Formula : C<sub>10</sub>H<sub>12</sub>ClNO<sub>2</sub>  
 Molecular weight : 213.66 g/mol

Component	Concentration
Baclofen	
CAS No.	Min. 99%
	1134-47-0



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**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**After inhalation**

Supply fresh air. If required, provide artificial respiration. Seek immediate medical advice.

**After skin contact**

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

**After eye contact**

Rinse opened eye for several minutes under running water. Consult a physician

**After swallowing**

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Seek immediate medical advice.

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

No data available.

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

No data available.

**5. FIRE-FIGHTING MEASURES**

**5.1 General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**5.2 Extinguishing media:**

**Suitable extinguishing agents**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas.

**5.3 Advice for firefighters**

Wear self contained respirator. Wear fully protective impervious suit

**5.4 Further information :** No data available

**6. ACCIDENTAL RELEASE MEASURES**

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

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

**6.2 Environmental precautions**

Do not allow material to be released to the environment without proper governmental permits

**6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

See section 8 for information on personal protective equipment and section 13 for disposal.

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**7. HANDLING AND STORAGE**

**7.1 Handling**

**Precautions for safe handling**

Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Handling is performed in a well ventilated place. Keep away from heat/sparks/open flames/hot surfaces. Keep container tightly closed. Use explosive-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**Hygiene Measures**

Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Wash thoroughly after handling. Do not breathe dust or spray mist. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Do not drink or smoke when using this product. Always wash hands and face after handling the substance.

**7.2 Conditions for safe storage, Including any incompatibilities**

**Storage condition**

Store in tightly closed container at dry place.

**Storage incompatibilities**

Keep away from sources of ignition, heat and direct sunlight. Protect from moisture.

**7.3 Specific end uses : No data available**

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**Additional information:** No data available

**8.2 Exposure controls**

**Appropriate engineering controls**

General industrial hygiene and safety practice.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

**Skin protection**

Wear appropriate protective clothing to prevent skin exposure. Remove contaminated clothing and wash before re-use. Do not get in eyes, on skin or on clothing.

**Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substance and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

**Respiratory protection**

Respiratory protection: Where protection from nuisance levels of dusts are desired, use type P95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Physical state	:	Solid
Form	:	Crystalline powder
Colour	:	White to off-white
Odour	:	Odorless.
Odour threshold	:	No data available
pH	:	No data available
Boiling point/BP Range	:	No data available
Melting point/Range	:	206-208°C
Flash Point	:	174.1±25.1°C
Evaporation rate	:	No data available
Flammability	:	No data available
Vapour pressure	:	No data available
Vapour density	:	Not data available
Density	:	No data available
Solubility in water	:	Slightly soluble.
Solubility's in other	:	Soluble in dilute mineral acids and dilute solutions of alkali hydroxides; Very slightly soluble in methanol; Insoluble in chloroform.
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive Limit	:	No data available
Oxidizing properties	:	No data available
<b>9.2 Other information</b>	:	None

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	:	No data available.
<b>10.2 Chemical stability</b>	:	Stable under normal conditions
<b>10.3 Possibility of hazardous reactions</b>	:	No data available
<b>10.4 Conditions to be avoided</b>	:	No data available
<b>10.5 Incompatible materials</b>	:	Strong oxidizing agents.
<b>10.6 Hazardous decomposition products</b>	:	Carbon oxides (COx), Nitrogen oxides (NOx) Hydrogen chloride gas.

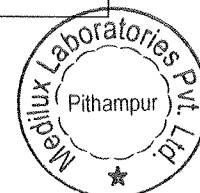
**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity:** Toxic if swallowed

Route of Exposure	Species observed	Test	Dose value
Oral	Rodent – mouse	LD50	200 mg/kg
Oral	Rodent – rat	LD50	145 mg/kg

**Skin corrosion/irritation** : No data available



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**Serious eye damage/eye irritation :** No data available  
**Respiratory or skin sensitization**  
**Respiratory sensitization :** No data available  
**Skin sensitization :** May cause an allergic skin reaction.  
**Germ cell mutagenicity :** No data available

**Carcinogenicity**

Based on available data, the classification criteria are not met. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.

<500 mg/kg/day Carcinogenicity study

Result: No evidence of carcinogenicity

Species: Rat

Test duration: 2 year

**Reproductive toxicity:** May damage fertility or the unborn child.

**Reproductivity**

12.5 mg/kg/day Reproductivity study

Result: No increase in birth defects

Species: Rat

15 mg/kg/day Reproductivity study

Result: No increase in birth defects

Species: Mouse

**Specific target organ toxicity - single exposure:** Narcotic effects

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration :** No data available

**Signs and Symptoms of Exposure**

**Ingestion :** Toxic if swallowd

**Inhalation :** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin contact :** May cause an allergic skin reaction.

**Eye contact :** May be causes serious eye irritation.

**Additional information**

RTECS: MW5084200

12. ECOLOGICAL INFORMATION

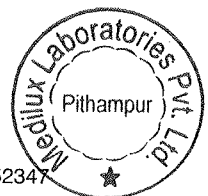
**12.1 Toxicity :** No data available  
**12.2 Persistence and degradability :** No data available  
**12.3 Bioaccumulative potential :** No data available  
**12.4 Mobility in soil :** No data available  
**12.5 PBT and vPvB assessment :** No data available  
**12.6 Other adverse effects :** No data available

13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

**Product**

Disposal should be carried out via an approved contractor according to all federal, state, and local regulations





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**TSCA Inventory**, Substance CAS#1134-47-0 is not listed on TSCA.

**OSHA** : Substance CAS#1134-47-0 is not listed.

**International Inventories**

Country(s)	Inventory Name	Inventory
Australia	Australian Inventory of chemical substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances	Yes
Europe	European List of Notified Chemical Substances	No
Japan	Inventory of Existing and New chemical Substances (ENCS)	No
South Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and chemical substances(PICCS)	No
United State	Toxic Substances Control Act (TSCA) Inventory	No

'Yes' indicates that all components of this product comply with the inventory requirements.

'No' indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**15.2 Chemical safety assessment:** No chemical safety assessment.

16. OTHER INFORMATION
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**Initial issue** :- 26/10/2009

**Revision Date:-** 20/10/2018

**Revision:-** 03

**Further information:-** Not available

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End of SDS

