

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

Olodaterol Impurity 2

PA 15 0591001

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

1.1 Product Identifier

Product Code	PA 15 0591001	CAS No	56490-94-9
Product Name	Olodaterol Impurity 2		
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

H302 - Harmful if swallowed - Acute Toxicity [Category 4]
H319 - Causes serious eye irritation - Serious eye damage / eye irritation [Category 2]
H372 - Causes damage to organs (8) through prolonged or repeated exposure (9) - Specific target organ toxicity (repeated exposure) [Category 1]

2.3 Other hazards

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P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 - IF SWALLOWED:
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 - Rinse mouth.
P337 - If eye irritation persists:
P501 - Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances/Substance Name: **Olodaterol Impurity 2**

CAS No 56490-94-9

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

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NA

5. FIRE FIGHTING MEASURES

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

2-8°C Amber Vial, Refrigerator

7.3 Specific end use(s)

No Data available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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8.1 Control parameters

Good Hygiene practices should be strictly followed

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 | Off-White to Pale Orange Solid |
| b) Odor | No Data Available |
| c) Melting point | 153-155 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

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10.6 Hazardous decomposition products Carbon monoxide, Carbon dioxide, Nitrogen, Hazardous
polymerization : Will not occur. Conditions to be avoided.

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

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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

14.1 UN Number

ADR/RID : NA

IMDG : NA

IATA : NA

14.2 UN proper shipping name

ADR/RID : Olodaterol Impurity 2 (EP/BP)

IMDG : Olodaterol Impurity 2 (EP/BP)

IATA : Olodaterol Impurity 2 (EP/BP)

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 Environmental 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

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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

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