Safety Data Sheet

#22283293 · Full 16-section SDS

According to Regulation (EC) No 1907/2006
According to Regulation (EC) No 2020/878

Molekula Limited
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PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
Olmesartan Medoxomil	**144689-63-4**	**C29H30N6O6**	**10**	**07 Oct 2026**

SECTION 1

Identification

1.1 Product identifier

Product name	Olmesartan Medoxomil
CAS number	144689-63-4
EC / EINECS number	604-433-1
Chemical formula	C29H30N6O6
Molecular weight	558.59
SMILES	CCCC1=NC(=C(N1CC2=CC=C(C=C2)C3=CC=CC=C3C4=NNN=N4)C(=O)OCC5=C(OC(=O)O5)C)C(C)(C)O

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

For research and development. Laboratory chemicals. Manufacture of substances. Not suitable for human or veterinary purposes.

1.3 Details of the supplier of the safety data sheet

Molekula Limited
1 Millennium Way, Newton Aycliffe
Durham, DL5 6JW, United Kingdom
info@molekula.com · +44 (0) 3302 000333

1.4 Emergency telephone number

0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification

2.1 Classification of the substance or mixture

Acute toxicity, Category 4 (oral), H302
Acute toxicity, Category 4 (inhalation), H332
Acute toxicity, Category 4 (dermal), H312

2.2 Label elements

DANGER

CODE	HAZARD STATEMENT
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
H360	May damage fertility or the unborn child

CODE	PRECAUTIONARY STATEMENT
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing
P330	Rinse mouth
P501	Dispose of contents/container to an approved waste disposal plant

2.3 Other hazards

Contains no PBT or vPvB components and no endocrine disruptors at levels of 0.1% or higher.

SECTION 3

Composition / information on ingredients

3.1 Substances

Name	Olmesartan Medoxomil
CAS number	144689-63-4
EC number	604-433-1
Concentration / purity	~100%
Classification according to Regulation (EC) No 1272/2008	Acute toxicity, Category 4 (oral), H302 Acute toxicity, Category 4 (inhalation), H332 Acute toxicity, Category 4 (dermal), H312
Hazard statements	H302, H312, H319, H332, H360
Acute toxicity estimate (ATE)	*No data available*
Impurities / stabilising additives	*Not applicable*

SECTION 4

First-aid measures

4.1 Description of first aid measures

Inhalation	Move to fresh air; give artificial respiration if breathing stops, oxygen if necessary; immediately call a physician.
Skin contact	Immediately remove all contaminated clothing, rinse skin with water/shower and consult a physician.
Eye contact	Rinse out with plenty of water and remove contact lenses.
Ingestion	Immediately make victim drink water (two glasses at most) and consult a physician.

Get medical attention if any discomfort continues. Show this Safety Data Sheet (SDS) to medical personnel. First aiders/ medical personnel need to protect themselves.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5

Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water, foam, carbon dioxide (CO2), dry powder.
Unsuitable extinguishing media	No limitations of extinguishing agents are given for this substance.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus and avoid skin contact with suitable protective clothing; knock down gases with water spray and prevent firefighting water from contaminating surface or ground water.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dusts and substance contact, ensure adequate ventilation, evacuate the danger area, observe emergency procedures and consult an expert.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains, take up dry while avoiding dust generation, dispose of properly and clean up affected area.

6.4 Reference to other sections

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

7.1 Precautions for safe handling

Work under hood and do not inhale substance; change contaminated clothing immediately, apply preventive skin protection and wash hands and face after work.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Ambient
Conditions for safe storage (incompatibilities)	Keep tightly closed and dry; storage class 11 (combustible solids).

7.3 Specific end use(s)

See Section 1.2.

SECTION 8

Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits (OEL / WEL)	*Not applicable*
DNEC/PNEC data	*Not applicable*

8.2 Exposure controls

Eye / face protection	Safety glasses Wear eye/face protection as recommended. All eye/face protection should comply with EN ISO 16321-1:2022.
Skin / hand protection	Gloves: Nitrile Rubber, 0.11mm (480 mins).
Respiratory protection	Dust mask (FFP2/FFP3) Keep self-contained breathing apparatus readily available for emergency use. Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided. Respiratory equipment: Reusable Air-Purifying Respirator (APR). Filter type: ABEK. Standard: EN 14387.
Other protection	Protective clothing.
Environmental exposure controls	Do not let product enter drains.

SECTION 9

Physical & chemical properties

9.1 Information on basic physical and chemical properties

Appearance / physical state	Powder DERIVED FROM: LITERATURE
Colour	White to yellow DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	*Not applicable*
Boiling point	*Not applicable*
Flammability	*Not applicable*
Lower and upper explosion limit	*Not applicable*
Flash point	*Not applicable*
Auto-ignition temperature	*Not applicable*
Decomposition temperature	180°C DERIVED FROM: LITERATURE
pH	*Not applicable*
Acidity	*Not applicable*
Kinematic viscosity	*No data available*
Solubility	Insoluble in water, soluble in Dimethyl sulfoxide (DMSO), slightly soluble in Methanol and Acetone. DERIVED FROM: LITERATURE
Partition coefficient n-octanol/water (log value)	1.0 DERIVED FROM: LITERATURE
Vapour pressure	*Not applicable*
Density (g/mL)	*Not applicable*

Relative vapour density	*Not applicable*
Particle characteristics	*Not applicable*

9.2 Other information

No data available

SECTION 10

Stability & reactivity

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

Chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Not applicable

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11

Toxicological information

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

Acute toxicity (LD50 / LC50)	ATE Oral: 500.1 mg/kg; ATE Inhalation (4 h, dust/mist): 1.6 mg/l; ATE Dermal: 1,100.1 mg/kg (expert judgement)
Skin corrosion / irritation	*Not applicable*
Eye corrosion / irritation	*Not applicable*
Respiratory / skin sensitisation	*Not applicable*
Carcinogenicity	*Not applicable*
Mutagenicity	*Not applicable*
Reproductive toxicity	*Not applicable*
STOT (single / repeated exposure)	*Not applicable*
Aspiration hazard	*Not applicable*

11.2 Information on other hazards

This product does not contain any known or suspected endocrine disruptors.

SECTION 12

Ecological information

12.1 Toxicity

Not applicable

12.2 Persistence and degradability

Not applicable

12.3 Bioaccumulative potential

Not applicable

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Endocrine disrupting properties

See Section 11.2.

12.7 Other adverse effects

No data available

SECTION 13

Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with national and local regulations; leave chemicals in original containers, do not mix with other waste, handle uncleaned containers like the product (Directive 2008/98/EC).

SECTION 14

Transport information

14.1 UN number or ID number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

ADR/RID: no; IMDG marine pollutant: no; IATA: no

14.6 Special precautions for user

Special precautions for user	*Not applicable*
Transport category	*Not applicable*
Tunnel code	*Not applicable*
Packing instruction (ADR)	*Not applicable*
Packing instruction (IMDG)	*Not applicable*

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15

Regulatory information

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

Substance-specific regulations (e.g. licences)	*Not applicable*
REACH code	Y110
ECHA notification	*Not applicable*

15.2 Chemical safety assessment

Not required

SECTION 16

Other information

Revision notes / other information	*Not applicable*

This Safety Data Sheet was generated automatically from the data Molekula holds against this product, in the 16-section GHS/CLP format. Fields shown as “No data available” carry no recorded value; fields shown as “Not applicable” were assessed as not relevant to this substance. For queries, contact Molekula at info@molekula.com.