

Safety Data Sheet

#74336319 · Full 16-section SDS

According to Regulation (EC) No 1907/2006

According to Regulation (EC) No 2020/878

PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
Candesartan	139481-59-7	C24H20N6O3	10	17 Aug 2026

SECTION 1

Identification

Product name	Candesartan
CAS number	139481-59-7
Chemical formula	C24H20N6O3
Molecular weight	440.47
SMILES	<chem>CCOC1=NC2=CC=CC(=C2N1CC3=CC=C(C=C3)C4=CC=CC=C4C5=NNN=N5)C(=O)O</chem>
EC / EINECS number	604-138-8
Recommended use & restrictions	For research and development. Laboratory chemicals. Manufacture of substances. Not suitable for human or veterinary purposes.
Emergency telephone	0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification



WARNING

CODE	HAZARD STATEMENT
H361d	Suspected of damaging fertility. Suspected of damaging the unborn child.
CODE	PRECAUTIONARY STATEMENT
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P263	Avoid contact during pregnancy/while nursing
P280	Wear protective gloves/protective clothing/eye protection/face protection
P308+313	IF exposed or concerned: Get medical advice/attention
Other hazards (e.g. PBT / vPvB, not classified)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII; This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3

Composition / information on ingredients

Purity / concentration	~100%
Impurities / stabilising additives	<i>Not applicable</i>

SECTION 4

First-aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.
Symptoms / effects & medical attention	Treat symptomatically

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Dry powder. Sand. Water spray. Carbon dioxide. Foam.
Unsuitable extinguishing media	No specific firefighting procedure given
Special hazards	Carbon oxides (CO, CO ₂). Nitrogen oxides.
Advice for firefighters	Wear recommended personal protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6

Accidental release measures

Personal precautions & PPE	Wear recommended personal protective equipment. Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing. Keep upwind. Avoid creating or spreading dust. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).
Environmental precautions	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Containment & clean-up methods	Collect spillage with shovel, broom or the like.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	Ambient
Precautions for safe handling	Avoid creating or spreading dust. Avoid contact with skin, eyes and clothing. Do not handle until all safety precautions have been read and understood. Ensure that there is a suitable ventilation system. Do not handle in a confined space.
Conditions for safe storage (incompatibilities)	Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use. Strong oxidizing agents. Sources of ignition.

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL) *Not applicable*

DNEC/PNEC data *Not applicable*

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.

SECTION 9

Physical & chemical properties

Density (g/mL) 1 g/mL
DERIVED FROM: LITERATURE

Flash point *Not applicable*

Acidity Base
DERIVED FROM: LITERATURE

Appearance / physical state Crystalline solid
DERIVED FROM: LITERATURE

Colour White to off-white. Beige.
DERIVED FROM: LITERATURE

Odour Odourless
DERIVED FROM: LITERATURE

Melting / freezing point 183 - 185 °C
DERIVED FROM: LITERATURE

Boiling point *Not applicable*

Solubility (water) Slightly soluble in water
DERIVED FROM: LITERATURE

pH *Not applicable*

Vapour pressure *Not applicable*

Partition coefficient (log Pow) Log Pow: 4.79 - Potential bioaccumulation
DERIVED FROM: LITERATURE

Auto-ignition / decomposition temp *Not applicable*

SECTION 10

Stability & reactivity

Chemical stability / 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
Conditions to avoid	Heat sources. Direct sunlight. Sources of ignition.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides (CO, CO ₂). Nitrogen oxides. See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	LD50 oral rat > 2000 mg/kg.
Skin corrosion / irritation	<i>No data available</i>
Eye corrosion / irritation	<i>No data available</i>
Respiratory / skin sensitisation	<i>Not applicable</i>
Carcinogenicity	Suspected of damaging the unborn child. Category 2.
Mutagenicity	<i>Not applicable</i>
Reproductive toxicity	Suspected of damaging the unborn child.
STOT (single / repeated exposure)	<i>Not applicable</i>
Aspiration hazard	<i>Not applicable</i>
Endocrine disruptors	This product does not contain any known or suspected endocrine disruptors.

SECTION 12

Ecological information

Aquatic toxicity	EC50 Daphnia 1 > 100 mg/l Daphnia magna (Water flea) 48hr.
Persistence & degradability	<i>Not applicable</i>
Bioaccumulative potential	<i>Not applicable</i>
Mobility in soil	<i>Not applicable</i>
PBT / vPvB assessment	<i>Not applicable</i>

SECTION 13

Disposal considerations

Waste treatment / disposal methods	Dispose of in accordance with local/national regulations
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SECTION 14

Transport information

UN number	Not applicable
Proper shipping name	Not applicable
Class	Not applicable
Packing group	Not applicable
Transport category	Not applicable
Tunnel code	Not applicable
Packing instruction (ADR)	Not applicable
Packing instruction (IMDG)	Not applicable
Environmental hazards	Not applicable
Special precautions for user	Not applicable

SECTION 15

Regulatory information

REACH code	Y110
UFI code	Not applicable
ECHA notification	Not applicable
Chemical safety assessment carried out?	Not required

SECTION 16

Other information

Revision notes / other information	This SDS replaces Version number: 1 Issued:17.10.2019
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