

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 04 Dec 2023

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

1.1. Product name:

Candesartan cilexetil

1.1. Catalog No.:

689664

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
Am Wieseneck 7

04451 Cunnersdorf
Deutschland

Tel. +49 34291 3372-36
Fax. +49 34291 3372-39
contact@hpc-standards.com

1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Reproductive toxicity (Category 2), H361
Acute aquatic toxicity (Category 1), H400

2.2. Label elements

2.2.1. Pictogram



2.2.2.

2.2 Label elements
Labelling according Regulation (EC) No 1272/2008
Pictogram Signal word Warning
Hazard statement(s)
H361 Suspected of damaging fertility or the unborn child.

H400 Very toxic to aquatic life.
Precautionary statement(s)
P273 Avoid release to the environment.
P281 Use personal protective equipment as required. Supplemental Hazard
Statements
none
2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name Candesartan Cilexetil 145040-37-5
Weight-% 100
REACH registrationnumber : -
EC No : -
Classification according to Regulation (EC) No.1272/2008 [CLP] Repr. 1A (H360D)Lact. (H362)STOT RE 2 (H373)Aquatic
Acute 1(H400)Aquatic Chronic 1(H410)
Specific concentration limit (SCL)
M-Factor (long-term)
Full text of H- and EUH-phrases: see section 16
Acute Toxicity Estimate
No information available
This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No.
1907/2006 (REACH), Article 59)
Spezifischer Konzentrationsgrenzwert(SCL)
M-Faktor
M-Faktor (langfristig)
Wortlaut der H- und EUH-Sätze siehe unter Abschnitt 16
Schätzung der akuten Toxizität
Es liegen keine Informationen vor
Dieses Produkt enthält keine besonders besorgniserregende Stoffe (SVHC) der Kandidatenliste in einer Konzentration von
 $\geq 0,1\%$
(Verordnung (EG) Nr. 1907/2006 (REACH), Artikel 59)

3.1.1. Formula

C33H34N6O6

3.1.2. Molecular Weight (g/mol)

610.66

3.1.3. CAS-No.

145040-37-5

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.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 2 - 8 °C

Storage class (TRGS 510): Combustible solids, toxic

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form: Crystalline powder

Colour: white

b) Odour No data available

c) Odour Threshold No data available

d) pH No data available

e) Melting point/freezing point

Melting point/freezing point: 325.4 °C

f) Initial boiling point and boiling range

No data available

g) Flash point No data available

h) Evaporation rate No data available

i) Flammability (solid, gas) No data available

j) Upper/lower

flammability or

explosive limits

No data available

k) Vapour pressure No data available

l) Vapour density No data available

m) Relative density No data available

n) Water solubility practically insoluble

o) Partition coefficient: octanol/water

log Pow: > 3

p) Auto-ignition temperature

No data available

q) Decomposition temperature

No data available

r) Viscosity No data available

s) Explosive properties No data available

t) Oxidizing properties No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Oxidizing agents, Strong acids and strong bases

10.6 Hazardous decomposition products

Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available(Candesartan cilexetil)

Inhalation: No data available(Candesartan cilexetil)

Dermal: No data available(Candesartan cilexetil)

LD50 Intraperitoneal - Rat - 940 mg/kg(Candesartan cilexetil)

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Muscle weakness. Respiratory disorder

LD50 Intraperitoneal - Mouse - 807 mg/kg(Candesartan cilexetil)

Skin corrosion/irritation

No data available(Candesartan cilexetil)

Serious eye damage/eye irritation

No data available(Candesartan cilexetil)

Respiratory or skin sensitisation

No data available(Candesartan cilexetil)

Germ cell mutagenicity

No data available(Candesartan cilexetil)

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Suspected human reproductive toxicant(Candesartan cilexetil)

No data available(Candesartan cilexetil)

Specific target organ toxicity - single exposure

No data available(Candesartan cilexetil)

Specific target organ toxicity - repeated exposure

Inhalation, Ingestion - May cause damage to organs through prolonged or repeated exposure. - Kidney, Heart, Blood

Aspiration hazard

No data available(Candesartan cilexetil) Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Candesartan cilexetil)

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish EC50 - Oncorhynchus mykiss (rainbow trout) - > 0.017 mg/l - 96

h(Candesartan cilexetil)

Toxicity to daphnia and

other aquatic

invertebrates

EC50 - Daphnia magna (Water flea) - > 0.016 mg/l - 48 h(Candesartan

cilexetil)

Toxicity to algae EC50 - Algae - > 0.012 mg/l - 72 h(Candesartan cilexetil)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available(Candesartan cilexetil)

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 3077 IMDG: 3077 IATA: 3077

14.2 UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Candesartan cilexetil)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Candesartan cilexetil)

IATA: Environmentally hazardous substance, solid, n.o.s. (Candesartan cilexetil)

14.3 Transport hazard class(es)

ADR/RID: 9 IMDG: 9 IATA: 9

14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards

ADR/RID: yes IMDG Marine pollutant: no IATA: yes

14.6 Special precautions for user

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids

15. REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!