

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.1
Prepared on : 30.03.2019
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SECTION 1: Identification of the substance/mixture and of the company/undertaking.

1.1 Product identifiers

Product name Propafenone Hydrochloride
Product Number PSR50211
Brand PureSynth research chemicals
CAS No. 34183-22-7

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

Identified uses : Secondary Reference Standard

1.3 Details of the supplier of the safety data sheet

Company PureSynth Research Chemicals GmbH.
64683 Einhausen Marie-Curie-Straße. 3, Germany

1.4 Emergency telephone number

Worldwide Helpline No.: 1800-8908-260

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Acute toxicity, (Category 4) H302: Harmful if swallowed.

2.2 Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements

none

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition / information on ingredients

3.1 Substances

| Common names & Synonyms | Mol. formula | CAS number |
|---|---|---------------|
| 1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenylpropan-1-one hydrochloride | C ₂₁ H ₂₇ NO ₃ · HCl | 34183-22-7 |
| Component | Classification | Concentration |
| 1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenylpropan-1-one hydrochloride | Acute Tox. 4; H302 | <= 100 % |

SECTION 4: First aid measures

Description of first aid measures

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|---|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| If inhaled | After inhalation: fresh air. |
| In case of skin contact | Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| In case of eye contact | Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| If swallowed | After swallowing: immediately make victim drink water (two glasses at most). Consult a physician. |
| 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 |
| Indication of any immediate medical attention and special treatment needed | No data available |

SECTION 5: Fire fighting measures

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| Extinguishing media | Water Foam Carbon dioxide (CO ₂) Dry powder |
| Suitable extinguishing media | Water Foam Carbon dioxide (CO ₂) Dry powder |
| Unsuitable extinguishing media | For this substance/mixture no limitations of extinguishing agents are given. |
| Special hazards arising from the substance or mixture | Carbon oxides Nitrogen oxides (NO _x) Hydrogen chloride gas Combustible. Development of hazardous combustion gases or vapours possible in the event of fire. |
| Advice for fire-fighters | In the event of fire, wear self-contained breathing apparatus. |
| Further information | Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system. |

SECTION 6: Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. |
| Environmental precautions | Do not let product enter drains. |
| Methods and materials for containment and cleaning up | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
| Reference to other sections | For disposal see section 13. |

SECTION 7: Handling and storage

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| Precautions for safe handling | For precautions see section 2.2. |
| Conditions for safe storage, including any incompatibilities | Storage conditions- Tightly closed. Dry. |
| Specific end use(s) | Storage class- Storage class (TRGS 510): 11: Combustible Solids Apart from the uses mentioned in section 1.2 no other specific uses are stipulated |

SECTION 8: Exposure controls / Personal protection

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|--|--|
| Control parameters | Ingredients with workplace control parameters |
| Exposure controls | 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). Safety glasses |
| Skin protection | This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves. Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min |
| Body Protection | Protective clothing |
| Respiratory protection | Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. |
| Control of environmental exposure | Do not let product enter drains. |

SECTION 9: Physical and chemical properties

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| Appearance | Form: Solid Colour: No data available |
| Odour | No data available |
| pH - Value | No data available |
| Density | No data available |
| Boiling Point | No data available |
| Melting Point | No data available |
| Solubility in water | No data available |
| Flash point | No data available |
| Vapour pressure | No data available |
| Auto -ignition temperature | No data available |
| Vapour density | No data available |
| Flammability (solid, gas) | No data available |
| Evaporation rate | No data available |
| Partition coefficient: n- octanol / water | No data available |
| Viscosity | Viscosity, dynamic : No data available Viscosity, kinematic : No data available |
| Explosive properties | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Oxidizing properties | None |

Other safety information: No data available

SECTION 10: Stability and reactivity

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| 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. |
| Chemical stability | The product is chemically stable under standard ambient conditions (room temperature) . |
| Possibility of hazardous reactions | No data available |
| Condition to avoid | No data available |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition products | In the event of fire: see section 5 |

SECTION 11: Toxicological information

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| Acute toxicity | LD50 Oral - Rat - 700 mg/kg Remarks: (RTECS) Inhalation: No data available Dermal: No data available |
| Skin corrosion/irritation | No data available |
| Serious eye damage/eye irritation | No data available |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | Test Type: Ames test Test system: Human lymphocytes Result: negative |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Specific target organ toxicity - repeated exposure | No data available |
| Aspiration hazard | No data available |
| Additional Information | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Nausea, Dizziness, Headache, Gastrointestinal disturbance, Exposure to high concentrations can cause:, Hallucinations. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

SECTION 12: Ecological information

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|---|-------------------|
| Toxicity | |
| Toxicity to fish | No data available |
| Toxicity to daphnia and other aquatic invertebrates | No data available |
| Toxicity to algae | No data available |
| Toxicity to bacteria | No data available |
| Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity) | No data available |
| Persistence and degradability | No data available |

| | |
|---|---|
| Bio accumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| Endocrine disrupting properties | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| Other adverse effects | No data available |

SECTION 13: Disposal considerations

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|--------------------------------|-------------------|
| Waste treatment methods | No data available |
|--------------------------------|-------------------|

SECTION 14: Transport information

| | UN no. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|------------------|--------|-------------------------|------------------|-----------------|------------------|
| ADR / RID | - | Not dangerous goods | - | - | No |
| IMDG | - | Not dangerous goods | - | - | No |
| IATA | - | Not dangerous goods | - | - | No |

SECTION 15: Regulatory information

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

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

Other regulations:

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

The information in this SDS 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. The user must be determined suitability of this information for his application.