

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Revision date: 30/03/2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking.

1.1 Product identifiers

Product name 4-Hydroxybenzoic acid
Product Number PSR40808
Brand PureSynth research chemicals
CAS No. 99-96-7

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

Identified uses : PurCert Standard

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

Toll free no. 1800-8908-260

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Serious eye damage (Category 1), H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Danger

Hazard statement(s)

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statement(s)

P280 Wear eye protection/ face protection.

P305 + P351 + P338 + IF IN EYES: Rinse cautiously with water for several minutes.

P310 Remove contact lenses, if present and easy to do. Continue Rinsing. Immediately call a POISON CENTER/doctor.

Supplemental Hazard Statements None

2.3 Other hazards:

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or Very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

SECTION 3: Composition / information on ingredients

3.1 Substances

| Common names & Synonyms | Mol. formula | CAS number |
|-------------------------|--|---------------|
| - | C ₇ H ₆ O ₃ | 99-96-7 |
| Component | Classification | Concentration |
| 4-Hydroxybenzoic acid | Eye Dam. 1; STOT SE 3; H318, H335 | <= 100 % |

SECTION 4: First aid measures

Description of first aid measures

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|---|---|
| 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 | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Suitable extinguishing media | |
| Special hazards arising from the substance or mixture | Carbon oxides |
| Advice for fire-fighters | Wear self-contained breathing apparatus for fire fighting if necessary |
| Further information | No data available |

SECTION 6: Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8 |
| Environmental precautions | Do not let product enter drains. |
| 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. |
| Reference to other sections | For disposal see section 13. |

SECTION 7: Handling and storage

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| 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. |
| Conditions for safe storage, including any incompatibilities | Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: room temperature. |
| Specific end use(s) | 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 | Components with workplace control parameters. |
| Exposure controls | |
| Appropriate engineering controls | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. |
| Personal protective equipment: | |
| Eye / face protection | Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. |
| Skin protection | |
| Body Protection | Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| Respiratory protection | |
| Control of environmental exposure | Do not let product enter drains. |

SECTION 9: Physical and chemical properties

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|---|--------------------------|
| Appearance | Form: Powder |
| | Colour: White |
| Odour | No data available |
| pH - Value | 3.3 at 1 g/l |
| Density | 1.4041 g/cm ³ |
| Boiling Point | No data available |
| Melting Point | 215 °C |
| Solubility in water | ca.5 g/l |
| 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 | log Pow: 1.58 |
| Viscosity | No data available |
| Explosive properties | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Oxidizing properties | No data available |

Other safety information:

Bulk density 0.60 g/l

SECTION 10: Stability and reactivity

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|---|---|
| Reactivity | No data available |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | No data available |
| Condition to avoid | No data available |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition products | Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5 |

SECTION 11: Toxicological information

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| Acute toxicity | LD50 Oral - Rat - female - >= 2.000 mg/kg (OECD Test Guideline 423) |
| Skin corrosion/irritation | No data available |
| Serious eye damage/eye irritation | Eyes - Rabbit Result: Risk of serious damage to eyes. - 1 h (OECD Test Guideline 405) Remarks: May cause irreversible eye damage. in vivo assay - Mouse |
| Respiratory or skin sensitization | Result: Not a skin sensitizer. (OECD Test Guideline 429) |

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| Germ cell mutagenicity | Ames test Result: negative |
| 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 | No data available |
| Specific target organ toxicity - single exposure | Inhalation (dust/mist/fume) - May cause respiratory irritation. |
| Specific target organ toxicity - repeated exposure | No data available |
| Aspiration hazard | No data available |
| Additional Information | Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level - > 1.000 mg/kg No adverse effect has been observed in chronic toxicity tests. Repeated dose toxicity - Rat - male and female - Inhalation No adverse effect has been observed in chronic toxicity tests. RTECS: DH1925000 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 | LC50 - Oryzias latipes - > 100 mg/l - 96 h (OECD Test Guideline 203) |
| Toxicity to daphnia and other aquatic invertebrates | EC50 - Daphnia magna (Water flea) - > 1.000 mg/l - 48 h (OECD Test Guideline 202) |
| Persistence and degradability | Result: 76.5 % - Readily biodegradable. |
| 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. |
| Other adverse effects | No data available. |

SECTION 13: Disposal considerations

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| Waste treatment methods | Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleansed containers like the product itself. |
| Products | |
| Contaminated packaging | Dispose of as unused product. |

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

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.