

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.0

Prepared on : 18.02.2026

Revised on : -

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

1.1 Product identifiers

Product name 2,5-Dihydroxyterephthalaldehyde
Product Number PSR50097
Brand PureSynth research chemicals
CAS No. 1951-36-6

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

Identified uses : Laboratory Chemicals

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

Worldwide Helpline No.: 1800-8908-260

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation, (Category 2), H315

Eye irritation, (Category 2), H319

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

Precautionary statement(s)

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection

Response:

P302 + P352

IF ON SKIN: Wash with plenty of water

P332 + P313

If skin irritation occurs: Get medical advice/ attention.

P337 + P313

If eye irritation persists: Get medical advice/ attention.

P362 + P364

Take off contaminated clothing and wash it before reuse.

2.3 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
-	C ₈ H ₆ O ₄	1951-36-6
Component	Classification	Concentration
2,5-Dihydroxyterephthalaldehyde	-	>= 90 - <= 100

SECTION 4: First aid measures

Description of first aid measures

General advice	No data available
If inhaled	Remove person to fresh air and keep comfortable for breathing. Get medical advice/ attention if you feel unwell.
In case of skin contact	Take off all contaminated clothing immediately. Wash off with plenty of water. If skin irritation occurs: Get medical advice/ attention.
In case of eye contact	Rinse with plenty of water. If easy to do, remove contact lens, if worn. If eye irritation persists: Get medical advice/ attention.
If swallowed	Get medical advice/ attention. Rinse mouth.
Most important symptoms and effects, both acute and delayed	None known
Indication of any immediate medical attention and special treatment needed	None known

SECTION 5: Firefighting measures

Extinguishing media	Dry powder, Foam, Water spray, Carbon dioxide (CO ₂)
Suitable extinguishing media	
Special hazards arising from the substance or mixture	No data available
Advice for fire-fighters	Use personal protective equipment. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Remove undamaged containers from fire area if it is safe to do so.
Further information	No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear suitable protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental precautions	Prevent product from entering drains.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust
Reference to other sections	See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

Precautions for safe handling	Prevent dispersion of dust Ensure adequate ventilation. Use a local exhaust ventilation. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Wash hands and face thoroughly after handling
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a cool and shaded area. Keep under inert gas.
Specific end use(s)	No data available

SECTION 8: Exposure controls / Personal protection

Control parameters	Contains no substances with occupational exposure limit values.
Exposure controls	
Appropriate engineering controls	Install a closed system or local exhaust. Also install safety shower and eye bath.
Personal protective equipment:	
Eye / face protection	Safety glasses, Face-shield
Skin protection	Protective suit
Body Protection	Protective suit
Respiratory protection	Dust mask
Control of environmental exposure	No data available

SECTION 9: Physical and chemical properties

Appearance	Form: Solid
	Colour: yellow - orange
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 (Calculated value: >60°C)
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	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:

Molecular weight: 166.13 g/mol

SECTION 10: Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing
Condition to avoid	Exposure to air.
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Carbon monoxide, carbon dioxide

SECTION 11: Toxicological information

Acute toxicity	No data available
Skin corrosion/irritation	Result: Skin irritation
Serious eye damage/eye irritation	Result: Eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
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
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.

SECTION 12: Ecological information

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

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

Waste treatment methods Disposal in accordance with local and national regulations.
Products Entrust disposal to a licensed waste disposal company.

Contaminated packaging Disposal in accordance with local and national regulations. Before disposal of used container, remove contents completely.

SECTION 14: Transport information

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

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not applicable
Regulation (EC) on substances that deplete the ozone layer	Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	Not applicable
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	Not applicable

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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.