

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.0
Prepared on : 13.03.2026
Revised on : -

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

1.1 Product identifiers

Product name 4-Amino-L-phenylalanine
Product Number PSR50335
Brand PureSynth research chemicals
CAS No. 943-80-6

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

Identified uses : Laboratory chemicals, For R&D use only

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

Not a hazardous substance or mixture.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram No data available
Signal word No data available
Hazard statement(s) No data available
Precautionary statement(s) No data available

2.3 Other hazards: No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
(2S)-2-amino-3-(4- aminophenyl) propanoic acid	C ₉ H ₁₂ N ₂ O ₂	943-80-6
Component	Classification	Concentration
4-Amino-L-phenylalanine	-	98%

SECTION 4: First aid measures

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	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. 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	No data available.
Indication of any immediate medical attention and special treatment needed	No data available

SECTION 5: Firefighting measures

Extinguishing media	
Suitable extinguishing media	Spray water Foam Carbon dioxide (CO ₂) Dry powder
Unsuitable extinguishing media	No data available
Special hazards arising from the substance or mixture	Carbon oxides Nitrogen oxides (NO _x).
Advice for fire-fighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations.
Reference to other sections	For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling	<p>Advice on safe handling</p> <p>Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.</p> <p>Advice on protection against fire and explosion</p> <p>Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.</p> <p>Hygiene measures</p> <p>Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.</p>
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Long term storage: 2-8°C

Specific end use(s) No data available

SECTION 8: Exposure controls / Personal protection

Control parameters	No data available.
Exposure controls	
Appropriate engineering controls	No data available
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	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.
Body Protection	Flame retardant antistatic protective clothing.
Respiratory protection	If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.
Control of environmental exposure	Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties

Appearance	Form: Solid Colour: White to greyish to yellowish
Odour	No data available
pH - Value	No data available
Density	No data available
Boiling Point	No data available
Melting Point	265 °C (decomp)
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	No data available
Explosive properties	Not classified as explosive
Upper / lower flammability or explosive limits	No data available
Oxidizing properties	none

Other safety information: No data available

SECTION 10: Stability and reactivity

Reactivity	No data available
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Condition to avoid	No data available
Incompatible materials	Oxidizing agents
Hazardous decomposition products	In the event of fire: see section 5.

SECTION 11: Toxicological information

Acute toxicity	LD50 Oral No data available LC50 Inhalation No data available LD50 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	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	No data available

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
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	No data available
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Endocrine disrupting properties	No data available
Other adverse effects	No data available

SECTION 13: Disposal considerations

Waste treatment methods	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Observe all federal, state and local regulations when disposing of the substance.
Contaminated packaging	Disposal must be made according to official regulations.

SECTION 14: Transport information

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

SECTION 15: Regulatory information

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

Applicable regulations

Please pay attention to waste disposal and meet the requirements of local regulations.

15.2 Chemical safety assessment

No data available

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.