

SAFETY DATA SHEET

SolaElastin™

Curable Elastin (hydrolyzed)

Document version 1.0
Issue date September 29, 2026
Basis Prepared from the supplier safety data for ELMA®+ (revision 2025-10-15).

SECTION 1: Identification

1.1 Product identifier SolaElastin™
Product description Curable Elastin (hydrolyzed)
1.2 Relevant identified uses For research use only. For in vitro use only.
Uses advised against Not intended for human consumption. Not for use in cosmetics, medical devices, or in vitro diagnostic products.
1.3 Supplier / distributor **Carlsbad Bio**
American Fork, Utah, USA
www.CarlsbadBio.co
Manufacturer matrihealth GmbH
Weinbergweg 23
06120 Halle (Saale), Germany
1.4 Emergency information For a medical emergency in the United States, call 911. Poison Control: 1-800-222-1222.

SECTION 2: Hazard(s) identification

2.1 Classification Not classified as a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
2.2 Label elements None required.
2.3 Other hazards PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substance Curable Elastin (hydrolyzed)
CAS No. Not assigned / not available
EINECS No. Not assigned / not available

SECTION 4: First-aid measures

4.1 General No special measures required.
Inhalation Move the person to fresh air. Seek medical advice if symptoms persist.
Skin contact Wash thoroughly with water and soap. If skin irritation persists, consult a doctor.
Eye contact Rinse the eye with water for several minutes. Remove contact lenses if possible. If irritation persists, consult a doctor.
Ingestion Rinse mouth thoroughly and drink plenty of water. If symptoms persist, seek medical advice.
4.2 Most important symptoms/effects No further relevant information available.
4.3 Immediate medical attention Seek medical advice if symptoms persist.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media Use firefighting measures suitable for the surrounding environment. Foam CO2, dry chemicals, or water spray.
5.2 Special hazards Inhalation of combustion gases may cause serious health hazards. Carbon monoxide can form during incomplete combustion.
5.3 Firefighter advice Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

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| 6.1 Personal precautions | Use personal protective equipment. Avoid dust formation. Do not inhale dust. |
| 6.2 Environmental precautions | Do not allow product to enter drainage systems, surface water, or ground water. |
| 6.3 Cleanup | Collect mechanically. Dispose of in suitable, closed containers. |
| 6.4 References | See Sections 7, 8, and 13 for handling, personal protection, and disposal information. |

SECTION 7: Handling and storage

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| 7.1 Safe handling | Avoid dust formation. Ensure adequate ventilation if dust is formed. Follow standard preventive fire-protection measures. Dust can combine with air to form an explosive mixture. Do not eat, drink, or smoke while working. |
| 7.2 Safe storage | Store cool and dry in well-sealed containers. Keep away from food, drink, and animal feeding stuffs. |
| 7.3 Specific end uses | No further relevant information available. |

SECTION 8: Exposure controls/personal protection

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| 8.1 Control parameters | Components with workplace exposure limits: Not required. |
| 8.2 General controls | Wash hands during breaks and at the end of work. Ensure good ventilation/exhaustion at the workplace. Keep away from foodstuffs and beverages. |
| Respiratory protection | When dust is generated, wear appropriate respiratory protection. |
| Hand protection | Use impermeable gloves resistant to the product. Selection should consider glove material, quality, and manufacturer recommendations. |
| Eye/face protection | Where dusting potential exists, wear goggles. |

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SECTION 9: Physical and chemical properties

Physical state	Solid
Color	Yellowish
Odor	Neutral
Melting point	Not applicable
Boiling point	Not determined
Flammability	Data not available
Explosion limits	Not determined
Flash point	Not applicable
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Viscosity	Not determined
Solubility	Soluble in water
Partition coefficient	Not determined
Vapor pressure	Not applicable
Density / relative density	Not determined
Vapor density	Not applicable
Particle properties	Freeze-dried powder
9.2 Other information	None

SECTION 10: Stability and reactivity

10.1 Reactivity	No further relevant information available.
10.2 Chemical stability	Stable under standard conditions.
10.3 Hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials	No further relevant information available.
10.6 Hazardous decomposition products	None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

Acute toxicity	Based on available data, classification criteria are not met.
Skin corrosion/irritation	Based on available data, classification criteria are not met.
Serious eye damage/irritation	Based on available data, classification criteria are not met.
Respiratory/skin sensitization	Based on available data, classification criteria are not met.
Germ cell mutagenicity	Based on available data, classification criteria are not met.
Carcinogenicity	Based on available data, classification criteria are not met.
Reproductive toxicity	Based on available data, classification criteria are not met.
STOT - single exposure	Based on available data, classification criteria are not met.
STOT - repeated exposure	Based on available data, classification criteria are not met.
Aspiration hazard	Based on available data, classification criteria are not met.
Endocrine disrupting properties	Substance is not listed.
Other information	None.

SECTION 12: Ecological information

12.1 Toxicity	No further relevant information available.
12.2 Persistence/degradability	No further relevant information available.
12.3 Bioaccumulative potential	No further relevant information available.
12.4 Mobility in soil	No further relevant information available.
12.5 PBT and vPvB assessment	Not applicable.
12.6 Endocrine disrupting properties	The product does not contain substances identified in the source SDS as having endocrine-disrupting properties.
12.7 Other adverse effects	No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment	Collect mechanically or incinerate. Dispose of product and packaging in accordance with applicable local, state, federal, and other relevant regulations. Non-contaminated packaging may be recycled. Packaging that cannot be cleaned should be disposed of in the same manner as the product.
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SECTION 14: Transport information

14.1 UN number / ID number	Not applicable.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not subject to ADR/IATA/IMDG/RID dangerous-goods regulations according to the source SDS.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions	Not applicable.
14.7 Maritime transport in bulk	Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations	No product-specific regulations identified in the source SDS.
15.2 Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This Safety Data Sheet is based on information supplied by the manufacturer and is intended to communicate safety information for SolaElastin™ as distributed by Carlsbad Bio. The information reflects present knowledge and is not a warranty of specific product properties. Users are responsible for determining the suitability of this information and the product for their intended research use and for complying with applicable laws and regulations.

Source document: matrihealth GmbH, ELMA®+ Safety Data Sheet, Version 1.0, revision 2025-10-15.

Abbreviations: ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; IMDG - International Maritime Dangerous Goods Code; IATA - International Air Transport Association; GHS - Globally Harmonized System of Classification and Labelling of Chemicals; CAS - Chemical Abstracts Service; PBT - Persistent, Bioaccumulative and Toxic; vPvB - very Persistent and very Bioaccumulative.