

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date: 08.09.2025

Version No: 1.01 (replaces version 1.00)

Revision: 08.09.2025

### \* 1 Identification of the substance/mixture and of the company/undertaking

#### Product identifier

Please refer to attached coversheet for the exact product list

**Trade name:** PureCube Streptactin Variants

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

**Application of the substance / the preparation:** Chemical for R&D

**Uses advised against:** No further relevant information available.

#### Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

Cube Biotech GmbH  
Creative-Campus-Allee 12  
40789 Monheim  
Tel.: +49 (0) 2173 99373 0  
E-mail: [contact@cube-biotech.com](mailto:contact@cube-biotech.com)

**Emergency telephone number:** +49 (0) 2173 99373 0 (during business hours)

### \* 2 Hazards identification

#### Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

#### Label elements

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

#### Other hazards

##### Results of PBT and vPvB assessment

**PBT:** This product does not contain any substances  $\geq 0.1\%$  that have been assessed as PBT.

**vPvB:** This product does not contain any substances  $\geq 0.1\%$  that have been assessed as vPvB.

##### Determination of endocrine-disrupting properties

This product does not contain substances with endocrine disrupting properties in a concentration of  $\geq 0.1\%$ .

### 3 Composition/information on ingredients

#### Mixtures

**Dangerous components:** Void

### 4 First aid measures

#### Description of first aid measures

##### General information:

No special measures required.

If symptoms persist consult doctor.

**After inhalation:** Supply fresh air.

**After skin contact:** Generally the product does not irritate the skin.

##### After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

**After swallowing:** Rinse mouth.

##### Most important symptoms and effects, both acute and delayed

No further relevant information available.

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## Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 Firefighting measures

### Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

#### Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

#### Advice for firefighters

**Protective equipment:** Wear self-contained respiratory protective device.

#### Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear protective clothing.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

#### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

**Precautions for safe handling** Prevent formation of aerosols.

**Information about fire and explosion protection:** No special measures required.

### Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

### Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### Exposure controls

**Appropriate engineering controls** No further data; see section 7.

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**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not necessary if room is well-ventilated.**Hand protection**

Protective gloves and protective skin cream

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**

Tightly sealed goggles

**Body protection:** Protective work clothing**Environmental exposure controls** No further relevant information available.

## \* 9 Physical and chemical properties

**Information on basic physical and chemical properties****General Information****Physical state**

Liquid

**Form:**

Suspension

**Colour:**

Different according to colouring

Agarose: whitish

MagBeads: black

**Odour:**

Like alcohol

**Odour threshold:**

Not determined.

**Melting point/freezing point:**

Not determined.

**Boiling point or initial boiling point and boiling range**

Not determined.

**Flammability**

Not applicable.

**Lower and upper explosion limit****Lower:**

Not applicable.

**Upper:**

Not applicable.

**Flash point:**

Not determined.

**Auto-ignition temperature:**

Not determined.

**Decomposition temperature:**

Not determined.

**pH at 20 °C**

6 - 8

**Viscosity:****Kinematic viscosity**

Not determined.

**Dynamic:**

Not determined.

**Solubility****water:**

Soluble.

**Partition coefficient n-octanol/water (log value)** Not determined.**Vapour pressure:**

Not determined.

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**Density and/or relative density**

<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative gas density</b>	Not determined.
<b>Particle characteristics</b>	Not applicable.

**Other information**

<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Molecular weight</b>	Not applicable.
<b>Oxidising properties</b>	No
<b>Evaporation rate</b>	Not determined.

**10 Stability and reactivity****Reactivity** No further relevant information available.**Chemical stability** No decomposition if used and stored according to specifications.**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.**\* 11 Toxicological information****Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**Primary irritant effect:****Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Information on other hazards****Endocrine disrupting properties**This product does not contain substances with endocrine disrupting properties in a concentration of  $\geq$  0.1%.**\* 12 Ecological information****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability:** No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Results of PBT and vPvB assessment****PBT:**This product does not contain any substances  $\geq$  0.1% that have been assessed as PBT.

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**vPvB:**

This product does not contain any substances  $\geq 0.1\%$  that have been assessed as vPvB.

**Endocrine disrupting properties**

This product does not contain substances with endocrine disrupting properties in a concentration of  $\geq 0.1\%$ .

**Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods**

**Recommendation:** Must be specially treated adhering to official regulations.

**Uncleaned packaging**

**Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

**UN number or ID number**

ADR/RID/ADN, IMDG, IATA

Not regulated for Transport

**UN proper shipping name**

ADR/RID/ADN, IMDG, IATA

Not regulated for Transport

**Transport hazard class(es)**

ADR/RID/ADN, IMDG, IATA

**Class**

Not regulated for Transport

**Packing group**

ADR/RID/ADN, IMDG, IATA

Not regulated for Transport

**Environmental hazards:**

Not applicable.

**Special precautions for user**

Not applicable.

**Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

**UN "Model Regulation":**

Not regulated for Transport

### 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

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**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of previous version:** 20.07.2023**Version number of previous version:** 1.00**Abbreviations and acronyms:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

UN: United Nations (also UNO: United Nations Organization)

NOEC: No Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

ASTM: American Society for Testing and Materials

WAF: Water Accommodated Fraction

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**Sources**

This Safety Data Sheet is based on a combination of internal technical data, information on raw materials, and generally accessible sources in the field of chemical safety, including publicly available databases such as those of the European Chemicals Agency (ECHA).

European Chemicals Agency, <https://chem.echa.europa.eu>**\* Data compared to the previous version altered.**

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