MSDS SyliteD1.1 anti-Gephyrin according to Regulation (EC) No. 1907/2006

SECTION 1: Identification of the mixture and of the company

1.1 Product identifiers

Product group name: SyliteD1.1 anti-Gephyrin

Product Numbers: *P4001*

Substance: Synthetic peptide, lyophilized powder

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

Identified uses: Analytical uses

1.3 Details of the supplier of the safety data sheet

Company: NanoTag Biotechnologies GmbH
Rudolf-Wissell-Str. 28a
37079 Göttingen
Germany
Tel: +49 551 50556365

1.4 Emergency telephone

CHEMTREC®: 1-800-424-9300

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.*

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.*

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.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Peptide as lyophilized powder.

No components need to be disclosed according to the applicable regulations.*

*: N**ote:** Acetonitrile is used during the manufacturing process of this product. However, it is fully removed during lyophilisation. The final product does not contain acetonitrile and does not present hazards associated with acetonitrile.

SECTION 4: First aid measures

4.1 Description of first-aid measures

If inhaled:

After inhalation: fresh air.

In case of skin contact:

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact:

After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed:

After swallowing: make victim drink water (two glasses at most). Do not induce vomiting. Consult doctor if feeling unwell.

4.2 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.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

Do not use full water jet

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage stability

Recommended storage temperature	Before reconstitution: 2° - 8 °C After reconstitution: -20°C (stable for 6 months)

Storage class

Storage class (TRGS 510)	Before reconstitution: 13 - Non combustible solids After reconstitution: 12 - Non combustible liquids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

8.2 Exposure controls

Personal protective equipment



Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards as for example EN 166(EU).

Skin protection

Handle with gloves. 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.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required under normal conditions. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges.

Control of environmental exposure

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state	Solid
b) Color	Depending on fluorophore
c) Odor	Odor-less
d) Melting / freezing point	No data available
e) Boiling point and boiling range	No data available
f) Flammability (solid, gas)	No data available
g) Flammability or explosive limits	No data available
h) Flash point	No data available
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	7,2 at 25 °C
l) Viscosity	No data available
m) Water solubility	Completely water soluble
n) Vapor pressure	No data available
o) Density	No data available
p) Particle characteristics	No data available
q) Explosive properties	Not classified as explosive.
r) Oxidizing properties	None

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity oral / dermal:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage / irritation:	No data available
Respiratory / skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT - single exposure:	No data available
STOT - repeated exposure:	No data available
Aspiration hazard:	No data available

11.2 Additional Information

No data available

SECTION 12: Ecological information

12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Persistence and degradability:	No data available.
Bioaccumulation	No data available.
Mobility	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID:	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Key/Legend

ADR/RID = European Agreement of Dangerous Goods by Road/Rail; CAS# = Chemical Abstract Service number; EC# = EC number (EINECS or ELINCS); EEC = European Economic Community; EU = European Union; IATA = International Air Transport Association

Disclaimer: The information contained in this Material Safety Datasheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of these data to the formulation of necessary safety precautions. NanoTag Biotechnologies shall not be held responsible for any damage resulting from the use of the above product or the information contained in this material safety datasheet.