

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Aug 30, 2019

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

1.1 Product identifier

Trade name: Scrambled RGD Peptide

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

No further relevant information available.

Application of the substance / the mixture

Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Cellendes GmbH

Markwiesenstr. 55

72770 Reutlingen

Telephone: +49 7121 15940 0

Fax: +49 7121 15940 99

info@cellendes.com

www.cellendes.com

Informing department:

Dr. Helmut Wurst

Telephone: +49 7121 15940 0

1.4 Emergency telephone number:

Dr. Helmut Wurst

Telephone: +49 7121 15940 0 (8 - 16 hour)

National Poisons Information Service (Birmingham Unit)

Telephone: +44 121 507 4123

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 1)

SECTION 3: Composition/information on ingredients**3.1 Substance****Description:**

Peptide

Dangerous components:

Void

SECTION 4: SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

No special measures required.

After inhalation

Seek medical treatment in case of complaints.

After skin contact

Instantly rinse with water.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor

No particular measures are known - treat according to symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents**

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

For safety reasons unsuitable extinguishing agents

Not applicable

5.2 Special hazards arising from the substance or mixtureCarbon oxides, nitrogen oxides (NO_x)**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting, if necessary.

Continued on next page

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 2)

SECTION 6: SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapours
For personal protection see Section 8

6.2 Environmental precautions:

No special measures required.

6.3 Methods and material for containment and cleaning up:

Sweep up and shovel. Keep in suitable container for disposal.

6.4 Reference to other sections

See Section 13 for information on disposal.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see Section 2.2.

Information about protection against explosions and fires:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and containers:**

≤2 months: 4°C

>2 months: -20°C

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Storage class

13

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice

Continued on next page

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 3)

Personal protective equipment**General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Breathing equipment:

Not required.

Protection of hands:

Protective gloves.

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

Nitrile rubber, NBR

Butyl rubber, BR

Recommended thickness of the material:

≥0.10 mm

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.

As protection from splashes gloves made of the following materials are suitable:

PVC gloves

Not suitable are gloves made of the following materials:

Strong gloves

Leather gloves

Eye protection:

Safety glasses recommended during refilling.

Body protection:

Protective work clothing.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 4)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid
 Colour: White, off-white

Odour: Not determined

Odour threshold: Not determined.

pH-value: Not applicable

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: Not determined

Inflammability (solid, gaseous) Not determined

Ignition temperature:

Decomposition temperature: Not determined

Self-inflammability:

Not determined

Danger of explosion:

Product is not explosive.

Critical values for explosion:

Lower: Not determined

Upper: Not determined.

Vapour pressure at 20 °C:

Not determined

Density

Not determined

Relative density

Not determined

Vapour density

Not determined.

Evaporation rate

Not determined

Solubility in / Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined

Viscosity:

dynamic: Not determined

kinematic: Not determined

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available

Continued on next page

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 5)

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No further relevant information 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**

No data available

Primary irritant effect:**Skin corrosion/irritation**

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity**

No data available

Carcinogenicity

IARC: No component of this mixture present at levels greater than or equal 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information**12.1 Toxicity**

No data available

Continued on next page

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 6)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licenced disposal company

Contaminated packagings:

Disposal must be made according to official regulations.

SECTION 14: Transport information**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

Continued on next page

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Mar 15, 2017

Trade Name: Scrambled RGD Peptide

(continued from page 7)

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications

UN "Model Regulation":

Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This datasheet complies with the requirements of Regulation (EC) No. 1906/2006

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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