

Synthetic Oligonucleotide

Date of issue:: 09.04.2015

revised : 16.01.2023

Valid from: 16.01.2023

Version: 1.1

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

1.1 Product identifier

Substance name: Synthetisches Oligonukleotid

Product number: ----

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

Relevant identified uses: Source material for applied and experimental research

Uses advised against: Use only for the intended applications

1.3 Details of the supplier of the safety data sheet:

Company Metabion International AG
Sommelweisstr. 3
D – 82152 Planegg / Steinkirchen

Contact for technical information +49 (0) 89 899 363 0
office times

Phone +49 (0) 89 899 363 0

Telefax +49 (0) 89 899 363 11

E-Mail: info@mymetabion.com

1.4 Emergency call Giftnotruf München +49 (0) 89 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This product does not meet the criteria for classification according to Regulation EC No. 1272/2008

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

Pictograms and signal word:

Not necessary

Hazard components for labeling

None

Hazard statements:

none

Precautionary statements:

none

2.3 Additional labelling

There is no additional information

SECTION 3. Composition/information on ingredients

3.1 Substances

Deoxyribonucleic acid, sodium salt

EG-No.: not available CAS-No.: not available

3.2 Mixture

Not a mixture

Section 4. First aid measures

4.1 Description of first aid measures

following inhalation fresh air. Consult doctor if feeling unwell

following skin contact wash off with plenty of water.

Synthetic Oligonucleotide

Date of issue:: 09.04.2015

revised : 16.01.2023

Valid from: 16.01.2023

Version: 1.1

	following eye contact	rinse out with plenty of water with the eyelid held wide open. (15 min) Consult eye doctor.
	following swallowing	If swallowed, rinse mouth thoroughly with water
4.2	Most important symptoms and effects, both acute and delayed	No information available
4.3	Indication of any immediate medical attention and special treatment needed	No information available
<u>Section 5. Fire-fighting measures</u>		
5.1	Extinguishing media:	Suitable: water spray, foam, alcohol resistant foam, dry extinguishing powder, carbon dioxide (CO ₂) unsuitable: not known
5.2	Special hazards arising from the substance or mixture	In case of fire, formation of harmful gases possible. Hazardous decomposition products: Oxides of carbon
5.3	Advice for firefighters	Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.
<u>Section 6. Accidental release measures</u>		
6.1	Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Follow recommendations for safe handling and personal protective equipment.
6.2	Environmental precautions	Entry into the environment must be avoided.
6.3	Methods and material for containment and cleaning up	Absorb dry. Knock down gases/vapors/mist with water spray..
6.4	Reference to other sections	See sections: 7, 8, 11, 12 and 13
<u>Section 7. Handling and storage</u>		
7.1	Precautions for safe handling	See technical measures in section "Exposure controls / personal protection".
	Measures to protect against fire and explosions	Keep away from sources of ignition - No smoking
	General hygiene measures	Do not eat, drink or smoke at work. Wash contaminated clothing before reuse.
7.2	Conditions for safe storage, including any incompatibilities	
	Requirements for storage rooms and containers	Tightly closed at a cool dark and dry place. (15-20°C)
7.3	Specific end uses:	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
<u>Section 8. Exposure controls / personal protection</u>		
8.1	Control parameters	
	National limit values	
	Occupational exposure limit values (Workplace Exposure Limits)	
	Germany (TRGS 900)	10 mg/m ³ dust (inhalable), 1,25 mg/m ³ dust (alveolable)
	USA (OSHA)	10 mg/m ³ dust (inhalable), 1,25 mg/m ³ dust (alveolable)

Synthetic Oligonucleotide

Date of issue:: 09.04.2015

revised : 16.01.2023

Valid from: 16.01.2023

Version: 1.1

Relevant DNELs/DMELs/PNECs and other threshold levels

none available

8.2 Appropriate engineering controls:

Suitable technical control devices

Minimize exposure concentrations at the workplace.

If adequate ventilation is not available, local ventilation must be used.

Suitable technical control devices

Minimize exposure concentrations at the workplace.

If adequate ventilation is not available, local ventilation must be used.

Individual protection measures (personal protective equipment)

Eye/face protection

Not necessary for intended use

Skin protection

Preventive skin protection recommended

Hand protection

in full contact

Glove material: nitril rubber
Layer thickness: 0,11 mm
Breakthrough time: > 480 min

in splash contact:

Glove material: nitril rubber
Layer thickness: 0,11 mm
Breakthrough time: > 480 min

Respiratory protection

Not necessary for intended use.

Where protection against nuisance dust concentrations is required, use a dust mask Filter A-(P2) (EN 141).

Environmental exposure controls

See sections 6 and 7

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
colour	white to white-brownish
odour:	odourless
Odour treshhold	No data available
pH-value :	Not detected
Melting point/freezing point :	No data available
Initial boiling point and boiling range:	Not detected
flashpoint :	Not applicable
Evaporation rate:	Not detected
Flammability (solid, gas)	none
Upper explosion limit (UEL) :	Not detected
Lower explosion limit (LEL):	Not detected
Vapour pressure	Not detected
Vapour density :	Not applicable
Density :	about 1,0 g/cm ³

Synthetic Oligonucleotide

Date of issue:: 09.04.2015

revised : 16.01.2023

Valid from: 16.01.2023

Version: 1.1

Solubility :	conditionally miscible with water
Partition coefficient: n-Octanol/Water	Not detected
Auto-ignition temperature	Not detected
Decomposition temperature	Not detected
viscosity :	Not detected
explosive properties :	Not explosive
Oxidising properties :	Not oxidising

9.2 Other information

No data available

Section 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

Acids, alkalis (except ammonia), oxidizing agents

10.6 Hazardous decomposition products

No data available

Section 11: Toxicologic Information

11.1 Information on toxicological effects

acute Toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Not classified according to the available information

Eye damage/irritation

Not classified according to the available information

Irritation to respiratory tract:

Not classified according to the available information

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Not classified according to the available information

Specific target organ toxicity (single exposure)

Not classified according to the available information

Specific target organ toxicity (repeated exposure)

Not classified according to the available information

Aspiration hazard

Not classified according to the available information

Synthetic Oligonucleotide

Date of issue:: 09.04.2015

revised : 16.01.2023

Valid from: 16.01.2023

Version: 1.1

Symptoms related to the physical, chemical and toxicological characteristics:

No data available

Toxicological information on ingredients

none

Section 12: Ecological information

12.1 Toxicity

The product is not classified

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

Not listed

12.7 Other adverse effects

No data available

Section 13: Disposal considerations

13.1 Waste treatment

Product residues are to be disposed of in compliance with the Waste Directive 2008/98 / EC as well as national and regional regulations.

Leave chemicals in original containers. Do not mix with other wastes

Packaging disposal

Uncleaned packaging must be treated according to the product.

Section 14: Transport Information

14.1-14.6 Not classified as dangerous in the meaning of transport regulations

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Section 15: Regulatory information

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

National regulations (Germany)

Water hazard class

Class 1 slightly hazardous to water (self-classification)

15.2 Chemical safety assesment

The product has not been subjected to a chemical safety assessment

Section 16: other informations

Indication of changes

Adaption to regulation EC 2020/878

Synthetic Oligonucleotide

Date of issue:: 09.04.2015

revised : 16.01.2023

Valid from: 16.01.2023

Version: 1.1

Legend to abbreviations and acronyms used in the safety data sheet:

Used abbreviations and acronyms can be looked up at www.wikipedia.org

Wording of the hazard statements and/or safety instructions referred to in section 2 to 15.

not applicable

Training advice

Provide adequate information, instruction and training for operators

Further informations

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.