

**Synthetic Oligonucleotide**

Date of issue:: 09.04.2015

revised : 05.05.2026

Valid from: 16.01.2023

Version: 1.2

**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  
Robert-Koch-Straße 1  
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@metabion.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 : 05.05.2026

Valid from: 16.01.2023

Version: 1.2

**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 <sup>3</sup>

**Synthetic Oligonucleotide**

Date of issue:: 09.04.2015

revised : 05.05.2026

Valid from: 16.01.2023

Version: 1.2

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 : 05.05.2026

Valid from: 16.01.2023

Version: 1.2

**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 : 05.05.2026

Valid from: 16.01.2023

Version: 1.2

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

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://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.