

## MSDS Oligonucleotide (unmodified and modified)

### 1. Identification of the substance / preparation and of the company

- **Details of the product/preparation/product group:**

trade name: Synthetic Nucleic Acid (Oligonucleotide)

- **Application of the substance/preparation:**

Application in research and development

- **Company details:**

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- **Contact for technical information:**

Customer Support

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### 2. Composition / information on ingredients

- **Chemical characterization:**

CAS-No.: N/A

- **Identification numbers**

EINECS-number: Polymer

### 3. Hazards identification

- **Hazards description:** Not applicable.

- **Information concerning particular hazards for human and environment:**

Warning, substance not yet fully tested.

### 4. First-aid measures

- **General notes:**

- **After inhalation:** Supply fresh air, consult doctor in case of complaints.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water.

Then consult the doctor.

- **After swallowing:** Call for a doctor immediately

### 5. Fire-fighting measures

- **Suitable extinguishing agents:**

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

- **Protective equipment:** Do not inhale explosion gases or combustion gases.

## 6. Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid binding material (sand, acid binders, universal binders, saw dust)

## 7. Handling and storage

- **Handling:**  
Information for safe handling: No special measures required.  
Information about fire. and explosion protection: No special measures required.
- **Storage:**  
Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: None.  
Class according to regulation on flammable liquids: Void.
- **Certain applications:** Not applicable.

## 8. Exposure controls/personal protection

- **Additional information about design of technical facilities:**  
No further data, see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
Not required.
- **Personal protective equipment:**  
General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals.  
Protection of hands: protective gloves  
Eye protection: Tightly sealed goggles

## 9. Physical and chemical properties

- **Appearance:**  
Form: Solution in H<sub>2</sub>O, solid  
Color: diverse
- **Odor:** inodorous
- **Change in condition:**  
Melting point/Melting range: Undetermined.  
Boiling point/Boiling range: Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** Not determined.
- **Solubility in / Miscibility with water:** Soluble.

### 10. Stability and reactivity

- **Thermal decomposition /conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions:**  
Reacts with acids, alkalis and oxidizing agents.
- **Dangerous decomposition products:**  
No dangerous decomposition products known.

### 11. Toxicological information

- **Acute toxicity:** --
- **Primary irritant effect:**  
on the skin: Irritant to skin and mucous membranes.  
on the eye: Irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:**  
The substance is not subject to classification according to the latest version of the EU lists.

### 12. Ecological information

**General notes:**

Slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13. Disposal considerations

- **Product:**  
Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**  
Recommendation: Disposal must be made according to official regulations.  
Recommended cleansing agents: water, if necessary together with cleansing agents.

### 14. Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border and national):**  
ADR/RID-GGVS/E class: -
- **Maritime transport IMDG/GGVSee:**  
IMDG/GGVSee-class: -  
Marine pollutant: No
- **Carriage by air ICAO-TI and IATA-DGR:**

ICAO/IATA-class: -

## 15. Regulatory information

- **Labeling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature

known to us. Observe the general safety regulations when handling chemicals.

- **Special labeling of certain preparations:**

Warning: substance not yet fully tested.

- **National regulations: -**

## 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

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