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Genomics

Date 1 April 2011 Revised 03 January 2023 MSDS No. : EFS-1003

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:

Eurofins Genomics K.K., 3-8-1 Nishikanda, Chiyoda-ku, Tokyo 101-0065, Japan

Tel.: (+81)-3-6631-0105

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• Contact for technical information:

Customer Support

Tel.: (+81)-3-6631-0109

Fax.: (+81)-3-6631-0101

Email: oligosupport-jp @eurofins.com

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:
 - CO₂, powder or water spray. Fight larger fires with ware spray or alcohol resistant foam.
- Protective equipment: Do not inhale explosion gases or combustion gases.

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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 H₂O, 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.

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- 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: Irriating 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:

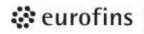
Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• 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:



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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