


Campus Ebersberg	F_HSE_6.3-06_MSDS_en_4.0	 eurofins Genomics
Material Safety Data Sheet Oligonucleotide (unmodified and modified) English		1 / 7

1. Product and Company Identification

1.1 Product identifier

Chemical Name / Trade Name: Synthetic Nucleic Acid (Oligonucleotide)
 Index-No.: ---
 EG-No.: ---
 CAS-No.: ---
 REACH-Registration No.: ---
 Other Names: ---

1.2 Application of the substance

For Research and Development, In-Vitro-Diagnostic, Laboratory chemicals

1.3 Manufacturer's details

Manufacturer:	Eurofins MWG Synthesis GmbH
Street / No.:	Anzinger Straße 7a
Nat. / Post code / Town:	D-85560 Ebersberg
Contact:	Eurofins Genomics, Customer Support
Phone-No.:	(+49)-8092-8289-77
Fax-No.:	(+49)-8092-8289-21084
E-Mail:	support-eu@eurofins.com

1.4 Information in case of an emergency:

Poison Information Center Mainz: (+49)-6131-19240 (24h in German and English)

2. Hazard Identification

2.1 Classification of the substance


Classification according to Regulation (EC) 1272/2008, annex VII:
 Not classified
 Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
 Not applicable

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008 / Directive 1999/45/EC:
 Not applicable

2.3 Other hazards

Warning: substance not fully tested

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3. Composition / Information on Ingredients

3.1 Compound

Oligonucleotide

4. First-Aid Measures

4.1 Description of the First-Aid Measures

General advices

If health disorders occur, get medical attention

Inhalation

Get fresh air supply immediately. If irritations present, get medical attention

Skin Contact

Wash with soap and water. If irritations present, get medical attention

Eye Contact

Flush open eye with water for several minutes. If necessary, remove contact lenses. If irritations present, get medical attention.

Ingestion

Flush mouth area with water and get medical attention

Injection

Get medical attention

4.2 Most important symptoms and effects, both acute and delayed

Not known

4.3 Recommendations to physicians

For coordination of the treatment ask the Poison Information Center Mainz (see 1.4)
No specific antidote known. Treat symptomatically and supportively

5. Fire-Fighting Measures

5.1 Fire extinguishing agents


CO₂- or Powder Spray, alcohol resistant Foam

5.2 Special hazards in case of fire

Do not inhale explosion or combustion gases, aerosols or powder

5.3 Advice for firefighting

Avoidance of contamination of the surfaced or ground water, sewage system or soil by firefighting water

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6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, avoid dust formation, use personal protective equipment

6.2 Environmental precautions

Should not be released into the environment or sewage system

6.3 Methods for containment and cleaning up

Larger amounts should be absorb with liquid-binding material (Sand, diatomite, universal binders, acid binders, sawdust)

Disposals of the waste should be in closed bins

7. Handling and Storage

7.1 Handling

Precautions for safety handling

Use personal protective equipment (Lab coat, gloves and safety glasses)
Eating, drinking and smoking should be forbidden in relevant areas

Measures for fire- and explosion protection

Standard measures for fire protection

Measures for avoidance of dust formation or aerosols

Ensure adequate ventilation
Use fume hood while handling with large amounts

Measures for protection of the environment

Should not be released into the environment or sewage system

General hygiene measures

Use personal protective equipment

7.2 Conditions for safe storage, including any incompatibilities storage

Requirements for storage conditions

Keep container tightly closed, in a cool, dry place ($\leq 4^{\circ}\text{C}$)

Requirements for storage rooms and containers

No special requirements
Do not store with foods, medicine or feeding stuff

Storage classification

Not applicable

7.3 Specific end use

No further relevant information available

8. Exposure Controls / Personal Protection

8.1 Controlled parameters

Not applicable

8.2 Exposure controls

General protective and hygienic measures

Eye / face protection

Wear appropriate protective eye glasses (proofed by EN 166)

Skin / body protection

Wear appropriate protective gloves (proofed by EN 374 and EN 455, Kat. 1) and clothing (Lab coat)

Respiratory protection

In case of high dust formation wear dust mask

Protection against heat / cold

Not applicable

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:	Solid, dissolved in water or water based buffers
Appearance:	Diverse
Odour:	odourless
Odour Threshold	Not determined
pH-value:	Not determined
Melting point:	Diverse
Boiling point:	Not determined
Flash Point:	Not applicable
Self-igniting:	No self-igniting
Explosion limits:	Not applicable
Relative density:	Not determined
Solubility:	Fully soluble in water
Explosive properties:	None
Oxidizing properties:	None


10. Stability and Reactivity

10.1 Reactivity

various

10.2 Chemical stability

No additional risks for decomposition

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10.3 Hazardous Reactions

Not known

10.4 Conditions to avoid

No dangerous reactions known if used according to specifications

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

Not known

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Not determined

Irritation on skin

Irritations possible

Irritation on eyes

Irritating effects

Sensitization

Not determined

Mutagenic effects

Not determined

Carcinogenicity

Not determined

Reproductive effects

Not determined

Specific organ toxicity after single or repeated exposure

Not determined

12. Ecological Information

12.1 Toxicity

Not determined

12.2 Persistence and degradability


Not available

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined

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12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Water hazard class 1 (self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course, sewage system or soil.

13. Disposal considerations

Waste treatment methods

Disposal must be made according to regional and national regulations

Must not be disposed together with household garbage

Do not allow product to reach sewage system

Contaminated packaging

Disposal must be made according to official regulations

Recommended cleansing agents: water, if necessary together with cleansing agents

14. Transport Information

14.1 UN-Number

None

14.2 UN proper shipping name

ADR / RID

No hazardous good

IMDG-Code / ICAO-TI / IATA-DGR

None

14.3 Transport hazard class

None

14.4 Packing group

None

14.5 Environmental hazards

ADR / RID / IMDG-Code / ICAO-TI / IATA-DGR: no


Marine Pollutant: no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

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15. Regulatory Information

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

EU-Regulations:

Not applicable

National regulations:

Water hazard class
WGK I slightly hazardous for water (self-assessment)

Other relevant regulations

Not applicable

15.2 Chemical safety assessment

Has not been carried out
Warning: substance not yet fully tested

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. Eurofins MWG Synthesis GmbH assumes no legal responsibility for use or reliance upon this data.