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### 1. PRODUCT/PREPARATION/COMPANY

Trade name: **Random OligoNucleotides:** Company: Biotools, B & M Labs, S.A.  
Valle de Tobalina – 52 – Nave 39  
28021 Madrid  
SPAIN  
Product Number: 20.401, 20.402, 20.201, 20.301 Tel: + 34 91 710 00 74  
Fax: + 34 91 505 31 18

Emergency number: please contact Biotoools distributor in your country. Spain only: 91 562 04 20

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### 2. COMPOSITION OF THE PRODUCT/INFORMATION ON INGREDIENTS

Chemical characterization: Solution in water or freeze- dry . Volume of each product package varies: customer requirement.

Active ingredients:

CAS-No	EC no	Name	Contents	Danger <sup>1</sup>	Risks
7732-18-5	231-791-2	<b>Water</b>	0,1%-99%	None	None
NA	NA	<b>Oligonucleotides</b>	1%-99%	None	None

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### 3. HAZARDS IDENTIFICATION

Not hazardous according to Directive 67/548/EC

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### 4. FIRST AID MEASURES

#### Skin contact

Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

#### Eye contact

Rinse opened eyes for at least 15 min with copious amounts of water. Check for and remove any contact lenses. Call a physician.

#### Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth with plenty of water. Call a physician. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

#### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

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### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Non- flammable. Use an extinguishing agent suitable for the surrounding fire.

#### Fire and explosion hazards

No specific hazards.

#### Protective equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

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### 6. ACCIDENTAL RELEASE MEASURES

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<sup>1</sup> Dangers and risks on active ingredients are applicable to pure ingredients. Amounts present in the specified product are under threshold levels as per Directive 67/548/EC and other European Legislation in force.



**Measures for cleaning/collecting**

Non-hazardous material. Clean up of spills requires no special equipment or procedures.

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**7. HANDLING AND STORAGE**

**Handling**

Always keep the containers tightly closed. Observe good laboratory technique when handling. Normal measures for preventive fire protection.

**Storage**

Store in the original container. Keep container tightly closed in a dry and well- ventilated place.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure limits**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

**Eye protection**

Wear goggles

**Hand protection**

Wear synthetic or rubber gloves

**Skin protection**

Wear labcoat

**Hygiene measures**

Keep away from foodstuffs and beverage

Avoid contact with eyes and skin

Do not eat, drink or smoke while working with products

**Breathing equipment**

Not required

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Liquid  
**Colour:** Colorless  
**Odour:** Odorless  
**Boiling point:** 100°C (212 °F)

**Flash point:** no data available  
**Explosive properties:** none  
**Vapor pressure:** 17.5 mm Hg (20°C)  
**pH:** 7.0

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**10. STABILITY AND REACTIVITY**

**Stability**  
Stable under normal handling and storage conditions

**Hazardous decomposition products**  
Not applicable

**Conditions to avoid**  
No information found.

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**11. TOXICOLOGICAL INFORMATION**

Not applicable

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**12. ECOLOGICAL INFORMATION**

Not applicable

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**13. DISPOSAL CONSIDERATIONS**

Observe all federal, state and local environmental regulations.  
Controlled disposal in waste system. Product disposal (leftovers or residues resulting from normal use) does not pose any serious hazards in the adequate proportion.  
The product and packaging should be disposed of in accordance with the instructions of the local authorities.

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**14. TRANSPORT INFORMATION**

**RID/ADR**  
Non-hazardous for road transport

**IMDG**  
Non-hazardous for sea transport

**IATA**  
Non-hazardous for air transport

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**15. REGULATORY INFORMATION**

This substance is not classified as dangerous according to Directive 67/548/EEC.

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**16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge, and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Biotools, B & M Labs, S.A. shall not be held liable for any damage resulting from handling or from contact with the above product.

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