



1. PRODUCT/PREPARATION/COMPANY

Trade name: **BIOTOOLS DNA Markers**

- PhiX174/Hinfl
- pBR322/BsuRI

Company: Biotoools, B & M Labs, S.A.
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Product Number: 31.001, 31.003

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

2. COMPOSITION OF THE PRODUCT/INFORMATION ON INGREDIENTS

Chemical characterisation: Solutions in water. Volume of each product package: 50 µg

Active ingredients

CAS-No	EC no	Name	Contents	Danger ¹	Risks
7732-18-5	231-791-2	Water	<90%	None	None

3. HAZARDS IDENTIFICATION

Not hazardous according to Directive 67/548/EC

4. FIRST AID MEASURES

Skin contact

Generally the product does not irritate the skin.

Eye contact

Rinse opened eye for several minutes under running water.

Ingestion

Call a physician if irritating or symptoms occur.

Inhalation

Remove to fresh air. Consult doctor in case of complaints.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Water spray, carbon dioxide, dry chemical powder or alcohol- resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Fire and explosion hazards

No specific hazards.

Protective equipment

No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Not required.

Environmental precautions

Dilute with plenty of water.

¹ 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

Keep in suitable, closed containers for disposal. Collect spilled liquid with liquid-binding material or inert absorbent and place it in a container for disposal. Wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling

Always keep the containers tightly closed. Observe good laboratory technique when handling.

Storage

Store in the original container, at $-15\pm 8^{\circ}\text{C}$.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

No special ventilation requirements.

Skin protection

Wear labcoat.

Eye protection

Safety glasses recommended during refilling.

Hygiene measures

General industrial hygiene practice

Hand protection

Wear protective gloves

Breathing equipment

None required



9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Colorless
Odour: Odorless
Boiling point: no data available.

Flash point: no data available
Explosive properties: none
Vapor pressure: no data available.
pH: 7.6

10. STABILITY AND REACTIVITY

Stability
Stable under normal handling and storage conditions

Hazardous decomposition products
Not applicable

Conditions to avoid
No information found.

11. TOXICOLOGICAL INFORMATION

Potencial Health Effects

Skin no irritant effect.
Eyes no irritant effect.

Acute toxicity
Oral: no data available

Chronic exposure
No data available

Sensitization
No sensitizing effects known.

12. ECOLOGICAL INFORMATION

Not applicable

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.

14. TRANSPORT INFORMATION

RID/ADR
Non-hazardous for road transport

IMDG
Non-hazardous for sea transport

IATA
Non-hazardous for air transport

15. REGULATORY INFORMATION

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

DNA Markers: PhiX174/Hinfl & pBR322/BsuRI

Indication of Danger	-
R phrases	-
S Phrases	-

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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