



SAFETY DATA SHEET

Positive Control 4

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. PRODUCT IDENTIFIERS

Product name	Positive Control 4
Synonyms	Deoxyribonucleic Acid, Unmodified

1.2. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

Company	STEM GENOMICS SAS IRMB HOPITAL SAINT ELOI 80 AVENUE AUGUSTIN FLICHE 34295 MONTPELLIER CEDEX 5 FRANCE
Emergency phone #	+33 (0)4 67 33 04 54

1.3. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

For research and development purposes only.

2. HAZARD IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

This product is considered non-hazardous according to OSHA 29CFR1910.1200.
The substance is not classified as dangerous according to the Regulation (EC) No 1272/2008

2.2. LABEL ELEMENTS

Hazard pictogram	Not applicable.
Signal word	Not applicable.
Hazard statements	Not applicable.
Precautionary statements	Not applicable.



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2.3. OTHER HAZARDS

Not classified as PBT or vPvB according to current EU criteria.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Product name	Deoxyribonucleic Acid, Unmodified
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4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

General Information	In case of doubt, get medical attention.
Inhalation	Supply fresh air; Get medical attention if symptoms are severe or persist.
Ingestion	Get medical attention.
Skin contact	Remove contaminated clothing. Rinse with water and then wash with soap. If irritations, get medical attention.
Eye contact	Rinse opened eye under running water for at least 15 minutes. If irritations, get medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes for doctors	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media The product is not flammable. Use water spray, alcohol-resistant foam, carbon dioxide or dry chemical.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards None known to exist.

5.3. ADVICE FOR FIREFIGHTERS

Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Further information In the event of fire and/or explosion, avoid breathing fire gases or vapours.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions Wear appropriate personal protective equipment.
Ensure adequate ventilation.

6.2. ENVIRONMENTAL PRECAUTIONS

Environmental precautions Avoid release to the environment.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up Wear appropriate protective clothing and chemically compatible gloves.
Place spillage in appropriate container for waste disposal.



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6.4. REFERENCE TO OTHER SECTIONS

Reference to other sections For personal protection, see Section 8. See section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Usage precautions For personal protection see section 8.
Keep away from food, drink and animal feeding stuffs.
Keep container tightly sealed when not in use.

general hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage precautions Keep containers tightly closed and store at -20°C. Keep containers upright.

7.3. SPECIFIC END USE(S)

Specific use(s) No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Components with workplace control parameters Contains no substances with occupational exposure limit values.

8.2. APPROPRIATE ENGINEERING CONTROLS

Engineering controls Provide local exhaust ventilation, showers and eyewash stations.

8.3. EXPOSURE CONTROLS

Personal protective equipment



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Eye protection	Employees should wear safety glasses to prevent eye contact with the substance.
Hand protection	Handle with gloves. Gloves must be inspected prior to use.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection	Protective equipment is not required under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Clear
Odour	Odourless
Odour threshold	Not available
pH	Not available
Melting point / range	Not available
Boiling point / range	Not available
Flash point	No specific test data are available
Evaporation rate	Not available
Evaporation factor	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Other flammability	Not available



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Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Bulk density	Not available
Solubility(ies)	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Explosive under the influence of a flame	Not considered to be explosive
Oxidizing properties	Not available

9.2. OTHER INFORMATION

Molecular weight	Not available
Molecular formula	Not available

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Reactivity	No adverse reactions have been reported.
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10.2. CHEMICAL STABILITY

Stability	Stable under normal conditions.
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10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. CONDITIONS TO AVOID

Conditions to avoid No data available.

10.5. INCOMPATIBLE MATERIALS

Materials to avoid No data available.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products No dangerous decomposition products known when used and stored as recommended.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity Based on available data, the classification criteria are not met.

Skin corrosion / irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory sensitisation Based on available data, the classification criteria are not met.

Skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data the classification criteria are not met.

IARC None of the ingredients are listed or exempt.

Reproductive toxicity - fertility Based on available data the classification criteria are not met.



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Reproductive toxicity - development	Based on available data the classification criteria are not met.
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	Based on available data, the classification criteria are not met.
Inhalation	No information available.
Ingestion	No information available.
Skin contact	No information available.
Eye contact	No information available.
Target organs	Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The effect of this product on the environmental has not been fully investigated.
Persistence and degradation	The degradability of the product is not known.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	None known.
Other adverse effects	None known.

13. DISPOSAL CONSIDERATIONS

13.1. WASTER TRAITMENT METHODS

General information	Dispose in accordance with all Federal, State and Local Regulations.
Disposal methods	Do not empty into drains, sewers, ditches and waterways.



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14. TRANSPORT INFORMATION

14.1. UN NUMBER

ADR, AND, IMDG, IATA Not regulated.

14.2. UN PROPER SHIPPING NAME

ADR, AND, IMDG, IATA Not regulated.

14.3. TRANSPORT HAZARD CLASS

ADR, AND, IMDG, IATA Class Not regulated.

14.4. PACKING GROUP

ADR, IMDG, IATA Not regulated.

14.5. ENVIRONMENTAL HAZARDS

Marine pollutant Not regulated.

14.6. SPECIAL PRECAUTIONS FOR USER

Special precautions for user Not applicable.

14.7. TRANSPORT IN BULK

According to Annex II of
MARPOL and the IBC Code Not applicable.

15. REGULATORY INFORMATION

The toxicological properties of this material have not been investigated.

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

No data available.



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15.2. CHEMICAL SAFETY ASSESSMENT

No data available.

16. OTHER INFORMATION

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

GHS: Global Harmonized System.

IATA: International Air Transport Association.

IARC: International Agency for Research on Cancer.

IMDG: International Maritime Dangerous Goods.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

STOT: Specific target organ toxicity.

Further Information

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.

The information provided in this safety data sheet is, to the best of our knowledge, correct at the date of its publication. However, the information does not constitute a guarantee for any specific features and should be used only as a guide. The information in this document is applicable to the product with regard to appropriate safety precautions. Stem Genomics SAS shall not be held liable for any damage resulting from handling or from contact with the above product.