



SAFETY DATA SHEET

Positive Control 1

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. PRODUCT IDENTIFIERS

Product name Positive Control 1

Synonyms Deoxyribonucleic Acid, Unmodified

1.2. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

Company STEM GENOMICS SAS

CAP SIGMA - 1682 RUE DE LA VALSIÈRE

34790 GRABELS - FRANCE

Emergency phone # +33 (0)4 20 90 02 01

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

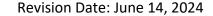
Hazard pictogram Not applicable.

Signal word Not applicable.

Hazard statements Not applicable.

Precautionary statements Not applicable.

2.3. OTHER HAZARDS





SAFETY DATA SHEET

Positive Control 1

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Product name Deoxyribonucleic Acid, Unmodified

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

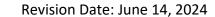
No further relevant information available.

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

Notes for doctors Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA





SAFETY DATA SHEET

Positive Control 1

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.

6.4. REFERENCE TO OTHER SECTIONS

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





SAFETY DATA SHEET

Positive Control 1

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

control parameters

Components with workplace

Contains no substances with occupational exposure limit values.

8.2. APPROPRIATE ENGINEERING CONTROLS

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

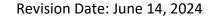
8.3. EXPOSURE CONTROLS

Personal protective equipment

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.





SAFETY DATA SHEET

Positive Control 1

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

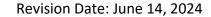
explosive limits

Not available

Other flammability Not available

Vapour pressure Not available

Vapour density Not available





SAFETY DATA SHEET

Positive Control 1

Relative density Not available

Not available **Bulk density**

Solubility(ies) Not available

Partition coefficient Not available

Auto-ignition temperature Not available

Not available **Decomposition Temperature**

Viscosity Not available

Explosive properties Not available

Explosive under the influence of Not considered to be explosive

a flame

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.

10.2. CHEMICAL STABILITY

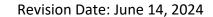
Stable under normal conditions. Stability

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Possibility of hazardous

reactions

No potentially hazardous reactions known.





SAFETY DATA SHEET

Positive Control 1

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

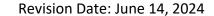
No dangerous decomposition products known when used and stored as

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. Based on available data the classification criteria are not met. Carcinogenicity **IARC** None of the ingredients are listed or exempt. Based on available data the classification criteria are not met. Reproductive toxicity - fertility Reproductive toxicity -Based on available data the classification criteria are not met. development STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.





SAFETY DATA SHEET

Positive Control 1

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

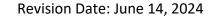
13.1. WASTER TRAITMENT METHODS

General information Dispose in accordance with all Federal, State and Local Regulations.

Disposal methods Do not empty into drains, sewers, ditches and waterways.

14. TRANSPORT INFORMATION

14.1. UN NUMBER





SAFETY DATA SHEET

Positive Control 1

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

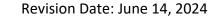
The toxicological properties of this material have not been investigated.

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

No data available.

15.2. CHEMICAL SAFETY ASSESSMENT

No data available.





SAFETY DATA SHEET

Positive Control 1

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.