



SAFETY DATA SHEET

Mix 4 digital PCR probe assay

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. PRODUCT IDENTIFIERS

Product name	Mix 4
Synonyms	Mix 4 digital PCR probe assay

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 latest amendments to the European Union Directives 67/548/EC and 1999/45/EC.

2.2. LABEL ELEMENTS

GHS label elements	Not applicable.
Hazard pictogram	Not applicable.
Signal word	Not applicable.



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Hazard statements	Not applicable.
Precautionary statements	Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Product name	CAS#	Hazardous classification
Deoxyribonucleic Acid, unmodified	N/A	Non-hazardous
Non-radioactive modification	N/A	Non-hazardous

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

No further relevant information available.



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5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

Hazardous combustion products Harmful gases or vapours.

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 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.



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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.
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.



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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.
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.



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10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Reactivity No adverse reactions have been reported.

10.2. CHEMICAL STABILITY

Stability Stable under normal conditions.

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.

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.



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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.
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.



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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

ADR, AND, IMDG, IATA	Not regulated.
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14.2. UN PROPER SHIPPING NAME

ADR, AND, IMDG, IATA	Not regulated.
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14.3. TRANSPORT HAZARD CLASS

ADR, AND, IMDG, IATA Class	Not regulated.
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14.4. PACKING GROUP

ADR, IMDG, IATA	Not regulated.
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14.5. ENVIRONMENTAL HAZARDS

Marine pollutant	Not regulated.
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14.6. SPECIAL PRECAUTIONS FOR USER

Special precautions for user	Not applicable.
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14.7. TRANSPORT IN BULK



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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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out.

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.



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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.