

Safety data sheet

according to 1907/2006/EC, Article 31.

According to article 31, a supplier shall provide the recipient at his request with a safety data sheet, where a preparation does not meet the criteria for classification as dangerous, but for substance for which there are Community workplace exposure limits. SelectaDNA does not meet the criteria for classification as dangerous but reagents used in the production thereof have workplace exposure limits.

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1. Identification of the substance and of the supplying company

1.1 Product identifier

Trade name: SelectaDNA (synthetic DNA component only)

1.2 Relevant identified uses of the substance or mixture

Application of the substance / the preparation: Forensic

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

BaseClear Quality Solutions B.V.

Einsteinweg 5

2333 CC Leiden

The Netherlands

E-mail Address: info@baseclear.com

2. Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as hazardous according to the CLP regulation (Regulation [EC] No 1272/2008).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Not applicable

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

2.3 Other hazards

PBT (persistent, bioaccumulative and toxic): Not applicable

vPvB (very persistent and very bioaccumulative): Not applicable

3. Information on ingredients

The product is a native non-hazardous composition of hazardous ingredients

4. First aid measures

Information below is valid for the DNA stock solution. The concentration of SelectaDNA in products is 1 000 000 - 2 000 000 times lower.

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: in case of complaints consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

No

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray.

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for firefighters

No special advice. No special protective equipment required

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions

Not required.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material.

7. Handling and Storage

7.1 Precautions for safe handling

No special measures required. The product is not flammable

7.2 Conditions for safe storage, including any incompatibilities

No special requirements for storage to be met by storerooms and receptacles

No Information about storage in one common storage facilities

7.3 Specific end use(s)

Forensic labeling

8. Exposures control/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Personal protective equipment: Not required

General protective and hygienic measures: No precautionary measures are needed

Respiratory protection: Not required.

Protection of hands: Not required.

Eye protection: Not required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance: Transparent liquid

Form: Fluid

Colour: Colourless

Odour: Not characteristic

Odour threshold: Not determined.

pH-value at 20 °C: 7

Melting point/Melting range: 0 °C

Boiling point/Boiling range: 100 °C

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not applicable

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits: Not determined

Vapour pressure: Not determined.

Density: Not determined

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined.

Viscosity, dynamic: Not determined.

Viscosity, kinematic: Not determined.

Organic solvents: 0.0 %

Water: > 99.99 %

Solid content: < 0.00001 %

10. Stability and reactivity

10.1 Reactivity

Not reactive

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10.2 Chemical stability

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known

10.4 Conditions to avoid

No further relevant information available.

10.5 In-compatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known

11. Toxicological information

Information below is valid for the DNA stock solution. The concentration of SelectaDNA in products is 1 000 000 - 2 000 000 times lower.

11.1 Information on toxicological effects

Acute toxicity: No data available of LD/LC50 values relevant for classification

Primary irritant effect on the skin: No irritant effect.

Primary irritant effect on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. Ecological information

12.1 Toxicity

Not harmful to the aquatic environment

12.2 Persistence and degradability

Biologically degradable into non-hazardous components

12.3 Bioaccumulative potential

Not known

12.4 Mobility in soil and ecotoxicological effects

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

It is recommended that disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

It is recommended that disposal of packaging must be made according to official regulations.
Recommended cleansing agent is water.

14. Transport information

14.1 UN-Number (ADR, ADN, IMDG, IATA)

None/Void

14.2 UN-Number (ADR, ADN, IMDG, IATA)

None/Void

14.3 Transport hazard class(es) (ADR, IMDG, IATA)

None/Void

14.4 Packing group (ADR, IMDG, IATA)

None/Void

14.5 Environmental hazards

No. Not marine pollutant.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification according to VbF: Void

Waterhazard class: Generally not hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS:

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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent