



MATERIAL SAFETY DATA SHEET

According to EU Directive 91/155 EC

Reviewed on: 15/10/08

1. Chemical product and company identification

Product details

Trade name: λ DNA Marker, BstEII digest

Catalogue number: GC-015-002 100 μ g (100 rxns)

Manufacturer / Supplier:

Semiramis Genetics Limited
GeneCraft Products
Manchester Science Park
Unit 57 Greenheys
Pencroft Way, Hulme
Manchester M15 6JJ
Tel.: +44 (0) 161 226 3571 / Fax: +44 (0) 161 868 0708

Further information obtainable from: Details as above

2. Composition / Information on ingredients

Chemical characterisation

Description: Solution, consisting of the components listed below

Dangerous components: None

Composition	%	CAS #
H ₂ O	99.81%	7732-18-5
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0.12%	1185-53-1
λ DNA BSTE II	0.04%	NA
Edetic acid	0.03%	60-00-4

3. Hazards identification

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

4. 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. Wash with soap and copious amounts of water.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist consult doctor.

After swallowing: Wash mouth out with water. If symptoms persist consult doctor immediately.

5. Fire fighting measures

Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions: Avoid breathing vapors, mist or gas.

Methods for cleaning up: Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling: No special measures are required for safe handling of this product.

Storage: No special storage requirements for this product. No special measures for fire and explosive protection required. Store at -20°C.

8. Exposure controls / Personal protection

Engineering controls: Not required, see section 7.

Eye protection: Wearing safety goggles is advised.

Skin protection: For prolonged or repeated contact use protective gloves.

Respiratory protection: Not required.

Hygiene practices: General industrial hygiene practice.

9. Physical and chemical properties

Appearance: Clear solution

Melting point/Melting range: NA

Boiling point: NA

Flash point: NA

Ignition temperature: NA

Lower explosion limit: NA

Upper explosion limit: NA

Water solubility: NA

10. Stability and reactivity

Stability: Stable

Incompatibility: Oxidizing agents

Dangerous decomposition products: Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

11. Toxicological information

Primary irritation effect

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

On the skin: May be harmful if absorbed through skin. May cause skin irritation.

On the eye: May cause eye irritation.

Sensitization: May cause eye irritation.

12. Ecological Information

Data not yet available.

13. Disposal Considerations

Observe applicable state, local and provincial environmental and hazardous waste regulations.

14. Transport Information

Land transport: Product does not belong to a hazard class of any international agreements on the transport and packaging of dangerous goods.

Maritime transport: This product is not a marine pollutant.

Air transport: Product does not belong to any hazard classification.

15. Regulatory Information

Labelling according to EU Guidelines:

General safety regulations should always be observed when handling chemicals.

This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

16. Other Information

All information, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets as new information becomes available.