

# Material Safety Datasheet

according to Regulation (EC) No.1907/2006

Revision Date: 01.12.2012

Print Date: 23.05.2013

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA



## 1. Identification of the substance/preparation and of the company

### Product details

**Trade Name:** Bst DNA Polymerase

**Cat#:** A600; 2000 units

**Brand:** GeneON

**Manufacturer /Supplier:** GeneOn, Paracelsusstrasse 10, D-67071 Ludwigshafen

**Further information available from:** GeneOn, Paracelsusstrasse 10, D-67071 Ludwigshafen

**Information in case of emergency:** Poison Information Centre Mainz, Germany Tel.: +49 (0)6131 19240 / 24 h

**MSDS-No:** Bst DNA Polymerase

**Product Use:** This product is for laboratory research use only and is not intended for human or animal diagnostics, therapeutics or other clinical uses.

## 2. Composition/information on ingredients

**Chemical characterisation Description:** Mixture of substances listed below with non-hazardous additions

**Dangerous components:** Void

## 3. Hazardous identification

**Hazard description:** Not applicable.

**Information concerning particular hazards for human and environment:** Not applicable.

**Classification system:** The classification is according the latest editions of the EU-lists, and extended by company and literature data.

## 4. First-aid measures

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

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.

**After swallowing:** Call for doctor immediately.

## 5. Fire-fighting measures

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Protective equipment:** Do not inhale explosion gases or combustion gases.

## 6. Accidental release measures

**Person related safety precautions:** Ensure adequate ventilation.

**Measures for environmental protection:** Do not allow product to reach sewage system or any water course.

**Measures for cleaning/collecting:** Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust)

## 7. Handling and storage

**Handling Information for safe handling:** No special measures required.

**Information about fire – and explosion protection:** No special measures required.

**Storage: Requirements to be met by storerooms and receptacles: -20 °C:** No special measures required. **Information about storage in one common storage facility:** No special measures required.

**Geneon GmbH Germany**

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Further information about storage conditions: None.

## 8. Exposure controls/personal protection

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

**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.

**CAS-No. Designation of material %**

The concentration of ingredients listed below, do not exceed 1%, which is the limit when notification is needed according to the correspondent EU directives 91/155 and 93/112		
Glycerol	50%	Cas.#56-81-5
Water	49%	Cas. # N/a
KCl / MgSO4	<1%	Cas. #7447-40-7
Tris-HCL	<1%	Cas. #77-86-1
Triton X	<1%	Cas. #9005-64-5
Ammoniumsulfate	<1%	Cas. #60-00-4

**Personal protective equipment General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals. **Respiratory protection:** Not required. **Protection of hands:** Protective gloves. **Materials of gloves:** The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. **Penetration times of gloves:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. **Eye protection:** Tightly sealed goggles.

## 9. Physical and chemical properties

### General Information

**Form:** Fluid

**Colour:** According to product specification

**Odour:** Characteristic

### Change in conditions

**Melting point/Melting range:** Undetermined

**Boiling point/Boiling range:** Undetermined

**Flash point:** Not applicable

**Ignition temperature:** 400°C

**Self-ignition:** Product is not selfigniting

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

**Vapour pressure at 20°C:** 0.1 hPa

**Solubility in / Miscibility with water:** Fully miscible

**pH-value at 20°C:** 8.8

## 10. Stability and reactivity

**Thermal composition / conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** Reacts with acids, alkalis and oxidizing agents.

**Dangerous decomposition products:** No dangerous decomposition products known.

## 11. Toxicological information

**Acute toxicity: Primary irritant effects: On the skin:** Irritant to skin and mucous membranes **on the eye:** Irritating effect  
**Sensitisation:** Sensitizing effects through inhalation is possible by prolonged exposure. Sensitising effect by skin contact is possible by prolonged exposure **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.

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## 12. Ecological Information

**General notes:** Water hazard class 1 (German Regulation) (Self assessment): slightly hazardous to water. Do not allow undiluted product for large quantities of it to reach ground water, water course or sewage system.

## 13. Disposal considerations

**Product: Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging: Recommendation:** Disposal must be made according to official regulations. **Recommended cleaning agents:** Water, if necessary together with cleansing agents.

## 14. Transport information

**Land transport ADR/RID (cross border) ADR/RID class:** -

**Maritime transport IMDG: IMDG Class:** - **Marine pollutant:** No

**Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class:** - .

## 15. Regulatory information

**Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals The product is not subject to identification regulations und EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

**National Regulations:**

**Technical instructions (air): Class Share in % - NK 50-100**

**Waterhazard class:** Water hazard class 1 ( Self-assessment): slightly hazardous for water.

## 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.

**The information in this MSDS does not constitute a warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.**

Abbreviations: N/A: Data not applicable or not available SARA: Superfund and Reauthorization Act HMIS: Hazard Material Information System WHMIS: Workplace Hazard Material Information System NTP: National Toxicology Program OSHA: Occupational Health and Safety Administration IARC: International Agency for Research on Cancer Prop 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 EINECS: European Inventory of Existing Commercial Chemical Substances

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