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

### Product details

**Trade Name:** Taq-Polymerase S / Taq-Polymerase E

**Cat#:** M3001 / M3043

### Manufacturer /Supplier:

Genaxxon BioScience GmbH, Beim Wiesental 22, 88400 Biberach/Germany.  
Tel.: +49 (0)7357 916377

### Further information available from:

Genaxxon BioScience GmbH, Beim Wiesental 22, 88400 Biberach/Germany.  
Tel.: +49 (0)7357 916377

### Information in case of emergency:

Poison Information Centre Mainz, Germany  
Tel.: +49 (0)6131 19240 / 24 h

**MSDS-No:** seDNATaq/2

**NOTE:** If this product is a kit or supplied with more than one material, please refer to the MSDS for each component for hazard information.

### Product Use:

This products are for laboratory research use only and are 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 nonhazardous 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:** No special measures required.

**Information about storage in one common storage facility:** No special measures required.

**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	%	Type	Value Unit
56-81-5	glycerol	50		
OEL	10 mg/m <sup>3</sup>			

### 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

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

### Change in conditions

<b>Melting point/Melting range:</b>	Undetermined
<b>Boiling point/Boiling range:</b>	Undetermined
<b>Flash point:</b>	Not applicable
<b>Ignition temperature:</b>	400°C
<b>Self-ignition:</b>	Product is not selfigniting
<b>Danger of explosion:</b>	Product does not present an explosion hazard
<b>Vapour pressure at 20°C:</b>	0.1 hPa
<b>Solubility in / Miscibility with water:</b>	Fully miscible
<b>pH-value at 20°C:</b>	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.

#### 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 and 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 Reauthorisation 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