



## TG 100mL

Revision date: 17.10.2018

Product code: 2R50109

Page 1 of 6

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

TG 100mL

Product group: Endprodukt

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

In-vitro-Diagnostics

**1.3. Details of the supplier of the safety data sheet**

Company name: Analyticon® Biotechnologies AG  
Street: Am Mühlberg 10  
Place: D-35104 Lichtenfels  
Telephone: +49 (0) 6454/7991-0  
e-mail: support@analyticon-diagnostics.com  
Contact person: Zentrale  
Internet: <http://www.analyticon-diagnostics.com>

Telefax: +49 (0) 6454/7991-30

Telephone: +49 (0) 6454/7991-0

**1.4. Emergency telephone number:**

Giftnotruf Mainz: +49 (0) 6131 / 19240

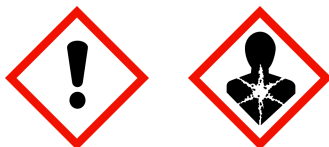
**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Reproductive toxicity: Repr. 1B  
Hazard Statements:  
Causes skin irritation.  
Causes serious eye irritation.  
May damage the unborn child. Suspected of damaging fertility.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Glycerokinase, Bac. stearothermophilus

Signal word: Danger

**Pictograms:****Hazard statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H360Df May damage the unborn child. Suspected of damaging fertility.

**Special labelling of certain mixtures**

EUH208 Contains Peroxidase (POD), Horse-radish. May produce an allergic reaction.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**



## TG 100mL

Revision date: 17.10.2018

Product code: 2R50109

Page 2 of 6

**Chemical characterization**

lyophilisate

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
83-07-8	4-Aminoantipyrine			10 - < 15 %
	201-452-3			
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H302 H315 H319 H335			
11113-50-1	Boric acid			1 - < 5 %
	234-343-4	005-007-00-2		
	Repr. 1B; H360FD			
9003-99-0	Peroxidase (POD), Horse-radish			< 1 %
	232-668-6			
	Resp. Sens. 1, Skin Sens. 1; H334 H317			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Move victim out of danger zone.

**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

If swallowed, immediately drink: Water. Rinse mouth thoroughly with water.

Seek medical advice immediately.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Avoid dust formation.

**TG 100mL**

Revision date: 17.10.2018

Product code: 2R50109

Page 3 of 6

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not allow to enter into soil/subsoil.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically.  
Treat the recovered material as prescribed in the section on waste disposal.  
Take up dust-free and set down dust-free.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas.  
The floor should be leak tight, jointless and not absorbent.  
All work processes must always be designed so that the following is excluded:  
inhalation. skin contact. Eye contact.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.  
When using do not smoke.

**Further information on handling**

When using do not eat, drink, smoke, sniff.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container dry.  
Keep container tightly closed.  
Keep only in the original container in a cool, well-ventilated place.

**Advice on storage compatibility**

The product is not: Combustible. Exclude sources of ignition-no smoking

**Further information on storage conditions**

Recommended storage temperature: of °C: 2 up to °C: 8  
Protect against: heat. UV-radiation/sunlight.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

**Eye/face protection**

Eye protection: Tightly sealed safety glasses.

**Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374  
Breakthrough times and swelling properties of the material must be taken into consideration.

**Skin protection**

Suitable protective clothing: Lab apron.  
Footwear: Chemical resistant safety shoes.

**Respiratory protection**

Respiratory protection necessary at: insufficient ventilation. Handling larger quantities.



## TG 100mL

Revision date: 17.10.2018

Product code: 2R50109

Page 4 of 6

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid  
Colour: colourless  
Odour: characteristic  
pH-Value (at 10 °C): 7,8

**Changes in the physical state**

Flash point: No flash point - measurement carried out until boiling temperature.

**Explosive properties**

The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.

**Oxidizing properties**

Not oxidizing.

Water solubility: highly soluble.

**Solubility in other solvents**

buffer

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

May cause decomposition by long-term light influence.

**10.6. Hazardous decomposition products**

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx).

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

No information available.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
83-07-8	4-Aminoantipyrine				
	oral	LD50 mg/kg	1700	Ratte	

**Irritation and corrosivity**

No information available.

**Sensitising effects**

No information available.

**Carcinogenic/mutagenic/toxic effects for reproduction**

No information available.

**STOT-repeated exposure**

No information available.

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive



## TG 100mL

Revision date: 17.10.2018

Product code: 2R50109

Page 5 of 6

(1999/45/EC).

**SECTION 12: Ecological information****12.1. Toxicity**

The product has not been tested.

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
11113-50-1	Boric acid	-1,09

**12.4. Mobility in soil**

The product has not been tested.

**12.6. Other adverse effects**

The product has not been tested.

**Further information**

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains.

Dispose of waste according to applicable legislation.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)****Other applicable information (land transport)**

Not restricted

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

Not restricted

**Marine transport (IMDG)****Other applicable information (marine transport)**

Not restricted

**Air transport (ICAO-TI/IATA-DGR)****Other applicable information (air transport)**

Not restricted

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**TG 100mL**

Revision date: 17.10.2018

Product code: 2R50109

Page 6 of 6

**EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

Boric acid

Restrictions on use (REACH, annex XVII):

Entry 30: Boric acid

**National regulatory information**

Water contaminating class (D): 3 - highly water contaminating

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 3,8.

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H360FD	May damage fertility. May damage the unborn child.
EUH208	Contains Peroxidase (POD), Horse-radish. May produce an allergic reaction.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*