

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Q Mastermix

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Q Mastermix

Content of:

FastQ B\*27 direct (REF 728201)

**Product form:** Mixture**REACH No.:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Product for analytical use.

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

Company name: BAG Diagnostics GmbH

Street: Amtsgerichtsstr. 1-5

Place: D-35423 Lich

Telephone: +49 (0)6404 925-100

Telefax: +49 (0)6404 925-460

e-mail: [info@bag-diagnostics.com](mailto:info@bag-diagnostics.com)

Contact person: Dr. Evelyn Sachsenberg

Telephone: +49 (0)6404 925-217

e-mail: [e.sachsenberg@bag-diagnostics.com](mailto:e.sachsenberg@bag-diagnostics.com)Internet: [www.bag-diagnostics.com](http://www.bag-diagnostics.com)

### 1.4. Emergency telephone number:

Extern: +49 (0)6131-19 240 Medizinische Klinik der Universität Mainz

Intern: +49 (0)171-2157379

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture

### 2.2. Label elements

Labelling according to Regulation (EC) 1272/2008

Not a hazardous substance or mixture

Hazard Statements (CLP)	Precautionary Statements (CLP)
none	none

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#### 2.3. Other hazards

##### Possible hazards from physicochemical properties

Some hazards associated with individual components of this mixture are not relevant because the substances are present in concentrations below the GHS cut-off levels, change of physical state or because the mixture/ solution is buffered to pH 4-9 (see GHS Directive 1272/2008/EC Annex I, chapter 3.2.3.1.2.).

This substance/ mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.1./3.2. Substance or Mixture

Name, synonyms and formulae	Product Identifier	Composition	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Glycerol, 1,2,3-Propanetriol, Glycerin C3H8O3	(CAS No.) 56-81-5 (EC No.) 200-289-5	<1%	Not a hazardous substance or mixture

#### 3.3. Remarks

List of H-, EUR- and P phrases: see Section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

If necessary consult a physician. Show this safety data sheet to the medical professional in attendance.

##### After inhalation

Remove to fresh air, keep the patient warm and provide resuscitation if necessary. If symptoms develop, obtain medical attention.

##### After contact with skin

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. (If possible) use soap.

##### After contact with eyes

After contact with the eyes rinse thoroughly with plenty of water for at least 15 minutes with the eyelid wide open.

##### After ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth and drink plenty of water.

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#### **4.2. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling section 2.2 and/ or in section 11.  
Not expected to present a significant hazard under anticipated conditions of normal use.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

#### **5.2. Special hazards arising from the substance or mixture**

##### **Fire Hazard**

Not flammable

##### **Hazardous decomposition products in case of fire**

Carbon oxides, Nitrogen oxides, Sulphur oxides, Phosphorus oxides, Potassium oxides, Hydrogen sulfide gas.

#### **5.3. Advice for firefighters**

##### **Firefighting instructions**

Product package burns like paper or plastic. Spray any vapours released with water. Retain fire water where possible.

##### **Protection during firefighting**

Protective breathing apparatus, independent of the ambient air (isolated equipment), and sealed protective clothing is necessary in the event of large-scale formation of toxic substances.

#### **5.4. Additional Information**

None

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **For non-emergency personnel**

Evacuate unnecessary personnel. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

##### **For emergency responders**

Wear suitable protective equipment as defined in section 8.2. Prevent further leakage or spillage if safe to do so. Avoid release of materials into the environment.

#### **6.2. Environmental precautions**

Notify authorities if large amounts of the product enters sewers or public waters.

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

##### Small Scale release

Make use of general chemical spill kit or other absorbent material. Clean any contaminated equipment and floors with plenty of water. Collect small amounts of leaked liquid and flush with copious amounts of water into drains.

##### Large Scale release

Bind any escaping liquid with inert absorbent material (sand, vermiculite or similar). Collect contaminated materials and dispose in accordance to local regulations for the disposal of hazardous chemicals.

#### 6.4. Reference to other sections

SECTION 5.4:	Additional fire precautions
SECTION 8:	Exposure controls/personal protection
SECTION 13:	Disposal considerations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling in accordance with the instructions supplied with the product. Provide adequate ventilation. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage conditions

Keep only in the original container. Store in a cool well ventilated place out of direct sunlight. Keep container closed when not in use. Hygroscopic.

##### Incompatible materials

Store separately from: Strong acids, Strong bases, Strong oxidizing agents, Reducing agents, Alkali metals, Acid chlorides, Phosphorus halides.

#### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Glyzerol		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	N/A

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United Kingdom	WEL STEL (mg/m <sup>3</sup> )	N/A
United Kingdom	WEL STEL (ppm)	N/A
United Kingdom	Remark (WEL)	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

## 8.2. Exposure controls

### Appropriate engineering controls

Good ventilation or extraction system in the room, floor resistant to chemicals and washing facilities available.

### General controls

Avoid all unnecessary exposure. Handle in accordance with good industrial hygiene and safety practice

### Respiratory protection

Respiratory protection not normally required. For nuisance exposures or if risk assessment required, use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU) with integrated side shields or wrap-around protection.

### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wear protective gloves that satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Exact breakthrough times to be found through the manufacturer of the protective gloves and must be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves.

### Skin and body protection

Long sleeved protective clothing.

### Thermal protection

Not required for normal conditions of use.

### Other information

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplace is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating.

**These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.**

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	odourless
pH:	no data available

#### **Changes in the physical state**

Melting point:	no data available
Boiling point:	no data available
Flash point:	no data available
Relative density:	~1.0 g/cm <sup>3</sup> (Wasser = 1)

#### **Explosive properties**

No data available

Solubility: no data available

### 9.2. Other information

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

#### **Relevant Properties of Substance Group**

None

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under recommended conditions

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

Extremely high or low temperatures

### 10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidising agents, Reducing agents, Alkali metals, Acid chlorides, Phosphorus halides.

### 10.6. Hazardous decomposition products

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Hazardous decomposition products formed under fire conditions – Carbon oxides, Nitrogen oxides, Sulphur oxides, Phosphorus oxides, Potassium oxides, Hydrogen sulfide gas.

In the event of fire: see SECTION 5

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Glycerol	
LD50 oral rat	12,600 mg/kg
LC50 inhalation rat 4hr	>2,75 mg/l
LD dermal rabbit	>10,000 mg/kg
LD50 dermal guinea pig	56750 mg/kg
TSCA Inventory:	Listet (1,2,3-Propanetriol)
California Proposition 65 List:	Not listed
Australia NICNAS:	Not listed
Canada CEPA 1999: DSL:	Not listed
Japan CSCL/PRTR:	Not listed
Japan PDSCL:	Not listed
Japan ISHL:	Not listed
South Korea TCCA:	Not listed
Korea Exist. Chem. Inventory:	KE-29297
RTECS:	MA8050000

Quantitative data on the toxicity of this product is not available

#### Potential adverse human health effects and symptoms

Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12: Ecological information

### 12.1. Toxicity

Glycerol	
Ecology – Water	Not Classified
LC50 – Fish ( <i>Salmo gairdneri</i> ) 96hr	54,000 mg/ml
LC50 – Bacteria, activated sludge	>1,000 mg/ml
EC50 – Daphnia ( <i>daphina magna</i> , locomotor effect)	>10,000 mg/l

Environmental hazards must not be labelled with P phrases until 125 mL or 125 g (EU 1272/2008 Annex I – 1.5.2).

### 12.2. Persistence and degradability

Biodegradation – No data available

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#### 12.3. Bioaccumulative potential

Glycerol	
Bioconcentration factor (BCF REACH)	No additional information available
Log Pow	-1,76

#### 12.4. Mobility in soil

Ecology – Soil: Miscible with water

#### 12.5. Results of PBT and vPvB assessment

This substance/mixture does not meet the criteria of REACH regulation, annex XIII

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Recommendation

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company**Contaminated packaging:** Dispose of as unused product

### SECTION 14: Transport information

#### In accordance with ADR / RID / IMDG / IATA / AND

#### 14.1. UN number

Not regulated

#### 14.2. UN proper shipping name

Not regulated

#### 14.3. Transport hazard class(es)

Not regulated

#### 14.4. Packing group

Not regulated

#### 14.5. Environmental hazards

No

#### 14.6. Special precautions for user

Not regulated



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#### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

### **SECTION 15: Regulatory information**

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

Contains no REACH substances with Annex XVII restrictions

Contains no substances on the REACH candidate list  $\geq 0,1\%$  / SCL

Contains no REACH Annex XIV substances

#### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

#### **16.1. Full text of H-, EUH- and P statements**

None

#### **16.2. Training Advice**

Regular safety training

#### **16.4. Recommended Restriction on Use**

Only for professional user working under controlled conditions.

Consider employee restrictions for young people (e.g. 94/33/EC).

Consider employee restrictions for pregnant women and nursing women (e.g. 92/85/EEC).

#### **16.5. Further Information**

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.

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