

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Q Mastermix fetal

Revision date: 30.11.2022

Product code: BAG-010

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

Q Mastermix fetal

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

Laboratory chemicals

Uses advised against

Only use for the intended purpose.

The product is intended for professional 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	
Internet:	www.bag-diagnostics.com	
Responsible Department:	Information on the MSDS: eu-sds@asseso.eu	
	Contact person for the product: Customer Service, + 49-6404-925-125,	
	info@bag-diagnostics.com	

1.4. Emergency telephone number:

national emergency number: +353 1 8092566

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements**Additional advice on labelling**

The product is not subject to labeling requirements according to the CLP regulation.

2.3. Other hazardsEndocrine disrupting properties: Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether.
The components in this formulation do not meet the criteria for classification as PBT or vPvB.**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
56-81-5	glycerol			<=5 %
	200-289-5			
9002-93-1	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether			<=0,02 %
	618-344-0			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H315 H318 H400 H410			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
56-81-5	200-289-5	glycerol	<=5 %
		dermal: LD50 = 18700 mg/kg; oral: LD50 = 12600 mg/kg	
9002-93-1	618-344-0	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	<=0,02 %
		oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10	

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

In case of troubles or persistent symptoms, consult an doctor/physician.

Remove persons from danger area and lie them down. Never orally infuse something to an unconscious person. No special first aid measures necessary. A vomiting, supine person must be brought into recovery position.

After inhalation

Move victim to fresh air and keep at rest. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth, spit liquid again. Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Seek medical attention if problems persist.

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

mild eye irritation

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

Carbon dioxide (CO₂). Extinguishing powder. Atomized water. Foam.

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Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

The product is non-flammable.

Upon exposure to fire, harmful gases may be emitted.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings. Wear a self-contained breathing apparatus and chemical protective clothing.

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

Provide adequate ventilation. Avoid contact with eyes and skin.

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal precautions: refer to section 8

Disposal: see section 13

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

Keep container tightly closed. Handle and open container with care. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

When properly used, there is no fire or explosion hazard.

Advice on general occupational hygiene

Consider the usual precautions for handling chemicals. Do not eat, drink or smoke when using this product.

Wash hands before breaks and after work. Protect skin by using skin protective cream. Avoid contact with skin and eyes.

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

Keep away from food, drink and animal feedingstuffs. Protect from direct sunlight.

Keep container tightly closed in a cool, well-ventilated place.

Keep only in the original container.

Hints on joint storage

Store separately from oxidizing agents.

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters
DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
56-81-5	glycerol		
Consumer DNEL, long-term	inhalation	local	33 mg/m ³
Consumer DNEL, long-term	oral	systemic	229 mg/kg bw/day

PNEC values

CAS No	Substance		
Environmental compartment	Value		
56-81-5	glycerol		
Freshwater	0,885 mg/l		
Freshwater (intermittent releases)	8,85 mg/l		
Marine water	0,0885 mg/l		
Freshwater sediment	3,3 mg/kg		
Marine sediment	0,330 mg/kg		
Micro-organisms in sewage treatment plants (STP)	100 mg/l		
Soil	0,141 mg/kg		

Additional advice on limit values

Until today no further national limits have been defined.

8.2. Exposure controls
Individual protection measures, such as personal protective equipment
Eye/face protection

Tightly fitting safety glasses with side shields.

Hand protection

Wear suitable gloves.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

protection suit

Respiratory protection

Within the recommended use and adequate ventilation no respiratory protection is necessary.

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

Physical state:	liquid	
Colour:	colourless	
Odour:	odourless	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability		

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Solid/liquid:	No data available.
Gas:	No data available.
Lower explosion limits:	No data available.
Upper explosion limits:	No data available.
Flash point:	not determined
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
pH-Value:	No data available.
Viscosity / kinematic:	No data available.
Water solubility:	No data available.
Solubility in other solvents	No data available.
Partition coefficient n-octanol/water:	No data available.
Vapour pressure:	No data available.
Density:	1 g/cm ³
Relative vapour density:	No data available.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

No data available.

Self-ignition temperature

Solid:

No data available.

Oxidizing properties

No data available.

Other safety characteristics

Evaporation rate:

No data available.

Viscosity / dynamic:

No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactivity under regular conditions.

10.2. Chemical stability

The product is stable under regular conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions to be expected if used properly.

10.4. Conditions to avoid

Protect against heat and direct solar irradiation.

Protect against frost.

10.5. Incompatible materials

Oxidising substances, alkalines, Reducing agent, alkaline metals, Strong acid, Acid chlorides.

10.6. Hazardous decomposition products

Upon exposure to fire, harmful gases may be emitted.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
56-81-5	glycerol				
	oral	LD50 mg/kg	12600	Rat	
	dermal	LD50 mg/kg	18700	Rabbit	
9002-93-1	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether				
	oral	ATE mg/kg	500		

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards
Endocrine disrupting properties

No data available.

SECTION 12: Ecological information
12.1. Toxicity

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
56-81-5	glycerol					
	Acute fish toxicity	LC50 mg/l	54000	96 h	Leuciscus idus	ECHA
	Acute crustacea toxicity	EC50 mg/l	> 10000	48 h	Daphnia magna	ECHA

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
56-81-5	glycerol	-1,75

12.4. Mobility in soil

No data available.

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12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Disposal according to official regulations.

Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Recommended cleaning agent: Water.

Dispose of waste according to applicable legislation.

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

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special precautions known.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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

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Authorisations (REACH, annex XIV):

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

Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether

Information according to 2012/18/EU

Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

Additional information

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

Regulation (EC) No. 648/2004 [Detergents regulation]: not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

National regulatory information

Water hazard class (D):

1 - slightly hazardous to water

Additional information

Observe in addition any national regulations!

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,4,12,16.

Version 1,00 - 07.04.2022 - first creation

Version 1,01 - 30.11.2022 - General update

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

ISO: Norm of the International Standards Organization

CLP: Classification, Labeling, Packaging

IUCLID: International Uniform Chemical Information Database

LC: Lethal concentration

LD: Lethal dose

log Kow: Octanol/water partition coefficient

MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships

OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bio-cumulative, toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bio-cumulative

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WGK: German Water Hazard Class

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

TLV: Threshold Limiting Value

STOT: Specific Target Organ Toxicity

AwSV: Ordinance on Installations for Handling Substances Hazardous to Water

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Further Information

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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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.)