

**Fluitest® MG XB R1**

Revision date: 21.12.2017

Product code: 1RH6001

Page 1 of 8

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

Fluitest® MG XB R1

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	Telefax: +49 (0) 6454/7991-30
e-mail:	support@analyticon-diagnostics.com	
Contact person:	Zentrale	Telephone: +49 (0) 6454/7991-0
Internet:	http://www.analyticon-diagnostics.com	

**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:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

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

Triton® X-100

CABS

Signal word: Danger

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

H318 Causes serious eye damage.

**Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

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

CABS buffer

**Fluitest® MG XB R1**

Revision date: 21.12.2017

Product code: 1RH6001

Page 2 of 8

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
9002-93-1	Triton® X-100			1 - < 5 %
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 2; H302 H318 H411			
161308-34-5	CABS			1 - < 5 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			

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

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

First aider: Pay attention to self-protection!  
Move victim out of danger zone.

**After inhalation**

Medical treatment necessary. Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Subsequently wash off with: Polyethylene glykol 400.  
Remove contaminated, saturated clothing immediately.

**After contact with eyes**

Consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.  
Hazards identification: Stomach perforation.  
Call a physician immediately.  
Do not allow a neutralisation agent to be drunk.  
Caution if victim vomits: Risk of aspiration!

**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**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Suppress gases/vapours/mists with water spray jet. 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**

Provide adequate ventilation.

**Fluitest® MG XB R1**

Revision date: 21.12.2017

Product code: 1RH6001

Page 3 of 8

Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin, eyes and clothes.  
Wear personal protection equipment.  
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**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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

If handled uncovered, arrangements with local exhaust ventilation have to be used.  
Do not breathe gas/fumes/vapour/spray.  
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 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****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. 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.

**Fluitest® MG XB R1**

Revision date: 21.12.2017

Product code: 1RH6001

Page 4 of 8

**Skin protection**

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

**Respiratory protection**

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

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

Physical state: liquid  
Colour: colourless  
Odour: characteristic

**Test method**

pH-Value: 12,2

**Changes in the physical state**

Melting point: The product has not been tested.  
Initial boiling point and boiling range: The product has not been tested.

**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.

Vapour pressure: Corresponds to the vapour pressure of water.

Density: 1,01 g/cm<sup>3</sup>

Water solubility: completely miscible

**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 (NO<sub>x</sub>).

**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
9002-93-1	Triton® X-100				
	oral	LD50 mg/kg	1800	Ratte	
	dermal	LD50 mg/kg	8000	Kaninchen	

**Irritation and corrosivity**

Irritation and etching. after ingestion:  
Hazards identification: Stomach perforation.

**Fluitest® MG XB R1**

Revision date: 21.12.2017

Product code: 1RH6001

Page 5 of 8

**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 (1999/45/EC).

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

No data available

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
9002-93-1	Triton® X-100					
	Acute fish toxicity	LC50	8,9 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	26 mg/l	48 h	Daphnia	

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.6. Other adverse effects**

No data available

**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**

Dispose of waste according to applicable legislation.

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

**Waste disposal number of waste from residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals  
Classified as hazardous waste.

**Waste disposal number of used product**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals  
Classified as hazardous waste.



analyticon

Analyticon® Biotechnologies AG

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Fluitest® MG XB R1

Revision date: 21.12.2017

Product code: 1RH6001

Page 6 of 8

#### Waste disposal number of contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

#### 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)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C5  
Limited quantity: LQ7  
Hazard No: 80  
Tunnel restriction code: E

#### Other applicable information (land transport)

Special provisions: 274  
E1  
Transport category: 3

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C5  
Limited quantity: LQ7

#### Other applicable information (inland waterways transport)

Special provisions: 274  
E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



analyticon

Analyticon® Biotechnologies AG

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Fluittest® MG XB R1

Revision date: 21.12.2017

Product code: 1RH6001

Page 7 of 8



Marine pollutant: •  
Limited quantity: 5 L  
EmS: F-A, S-B

#### Other applicable information (marine transport)

Special provisions: 223, 274, 944  
E1

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Limited quantity Passenger: 1 L  
IATA-packing instructions - Passenger: 819  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 821  
IATA-max. quantity - Cargo: 60 L

#### Other applicable information (air transport)

E1  
: Y819  
Special provisions: A3

## SECTION 15: Regulatory information

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

#### EU regulatory information

2004/42/EC (VOC): 0,02 %

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

## SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 4.

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

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H411 Toxic to aquatic life with long lasting effects.

#### 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



analyticon

Analyticon® Biotechnologies AG

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Fluitest® MG XB R1

Revision date: 21.12.2017

Product code: 1RH6001

Page 8 of 8

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.)*