BioXol	**Material Safety Data Sheet** According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP/GHS)		
BioClean M22	**Cleaner**	Code: **OM-50611, OM-20615**	**05.05.2014**

1. Product and company identification

1.1 Identification of the product
Product name: BioClean M22
Product code: OM-50611, OM-20615

1.2 Use of the product
BioClean M22 is a stabilized and micro-filtered detergent solution for regular automated cleaning, rinsing and washing of hematology analyzers' capillaries, tubing and chambers, removing blood component precipitates and lipoprotein deposits on automated hematology analyzers.

1.3 Company identification
Bioxol Ltd
Wysocki utca 1.
H-1155 Budapest,
Hungary
Phone: +36 1 9200087
E-mail: hemat@bioxol.com

1.4 Emergency phone number
Emergency phone number: + 36 1 9200087
Health Toxicological Information Service (ETTSZ H-1096 Budapest, Nagyvárad tér 2.)
Phone: +36 1 4766464 or +36 80 201199 or
Health Toxicological Information Service in the country of user
Contact the nearest first-aid station.

2. Hazards identification

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS):
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

Human health hazards: Danger symbol not required.

Safety hazards: Danger symbol not required.

Environmental hazards: Danger symbol not required.

Label Elements
Labelling according to Regulation (EC) No 1272/2008:
The product is classified and labelled according to the CLP/GHS Regulation.

Other hazards – none

3. Composition/information on ingredients

Chemical description: Detergent in saline solution.

No components need to be disclosed according to the applicable regulations.

4. First aid measures

After inhalation:
Supply fresh air; consult doctor in case of symptoms.
After skin contact:
The product is not skin irritating.
After eye contact:
Rinse opened eye for several minutes under running water.
After swallowing:
Rinse out mouth.

5. Fire fighting measures:

Non flammable.
Suitable extinguishing agents:
CO_2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Protective equipment:
Wear self-contained breathing apparatus.

6. Accidental release measures

Person-related safety precautions:
Wear a lab coat, protective gloves and safety goggles.
Measures for environmental protection:
No special measures required.
Measures for cleaning/collecting:
Soak up the product with an absorbent product (sand, neutralising acid, universal binder, sawdust).
Additional information:
No dangerous materials are released.

7.	**Handling and storage**

7.1 Handling

Information about protection against explosions and fires:
  No special requirements.

Technical measures:
  None determined.

Precautions:
  The usual laboratory precautions should be observed.

Handling recommendations:
  Wear gloves in case of prolonged handling.

7.2 Storage

Requirements to be met by storerooms and containers:
  No special requirements.

Information about storage in one common storage facility:
  Not required.

Storage conditions:
  Store between +2 and +35°C.

Incompatible materials:
  Not determined.

Packaging materials:
  Not determined.

8.	**Exposure controls and personal protection**

Technical measures:
  Use general room ventilation. Respect standard safety procedures for chemical product use. Safety goggles are recommended for decanting.

Hygiene measures:
  Wash hands before and after use.

Respiratory protection:
  Not required.

Eye protection:
  Safety glasses recommended during refilling.

Body protection:
  Protective work clothing.

Hand protection:
  Protective gloves.

Eye protection:
  Safety goggles.

Skin protection:
  Lab coat.

9. Physical and chemical properties:

Physical state: ....Liquid

Colour: ....colourless

Odour: ....chlorine-like

Explosive properties: ....The product does not explode.

Oxidizing properties: ....Not oxidizing.

pH: 9.0

Vapour pressure at 20°C: ......23 hPa

Density at 20°C: ....1.01 g/cm^i

Melting point: ....-2 °C

Boiling point: ....102 °C

Relative density: ....Not determined.

Solubility: ....Miscible with water.

Organic solvents: 0%

Flashing point: ....Not determined.

Partition coefficient: ....Not determined.

Flammability (solid, gas): .....The product does not ignite spontaneously.

10. Stability and reactivity

Dangerous reactions:
No dangerous reactions known.

Dangerous products of decomposition:
No dangerous decomposition products known.

Conditions to avoid:
None determined.

Materials to avoid:
No dangerous reaction.

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11. Toxicological information

Acute toxicity:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version.

Sensitization:

No sensitizing effect known.

Chronic toxicity:

Not determined.

Inhalation:

Not determined.

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritant effect.

Ingestion:

Not determined.

12. Ecological information

General notes:

Generally not hazardous for water.

Mobility:

Water pollution category O (classified clean): as a general rule non polluting.

Degradability:

Not determined.

Bioaccumulative potential:

Not determined.

Ecotoxicology:

Not determined.

Other hazardous effects:

None determined.

13. Disposal considerations

Product:

Smaller quantities can be disposed with household garbage.

Surplus or waste (residues):

Incineration.

Contaminated packaging:

Empty in compliance with legal prescriptions. Water, possibility of adding cleaning products.

14. Transport information (International regulations)

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

no data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation No. 1907/2006/EC and 1272/2008/EC (CLP/GHS).

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

no data available

Chemical Safety Assessment

no data available

Danger symbol(s) and indication(s)

not required

Hazardous components

The label must bear the inscription: -
R-phrase: not required
S-phrase: not required
Tactile warning of danger: not required.

16. Other information

These data are based on our present knowledge of the product, at the date shown, and is correct to the best of our knowledge. Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use. The user must accept the sole responsibility and take precautions accordingly for the use of this product.

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