



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: Aqua Plus
Trade code: 043510 – 043520 (060940 – 060942 Cattani code)
Product type and use: Concentrated solution for anti-biofilm treatment and disinfection of the dental unit water supply piping.

Company:

Magnolia srl - Via Natta 6/A - 43122 Parma – Italy
Tel. +39 (0)521 607604 – Fax +39 (0)521 399967
e-mail: info.magnolia@cattani.it

Emergency telephone number of the company and/or of an authorised advisory centre:
BIRMINGHAM HOSPITALS POISONS UNIT - +44 8706006266

Person in charge of the safety data sheet:

Dr. E. Marcolini – Tel. +39 (0)521 538804 / e-mail: magnoliasrl@virgilio.it

2. HAZARDS IDENTIFICATION

If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.
If brought into contact with the skin, the product may cause sensitisation of the skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

5% - 7% bronopol (INN)
N.67/548/CEE: 603-085-00-8 CAS: 52-51-7 EC: 200-143-0
Xn,Xi,N; R21/22-37/38-41-50

1% - 3% poly-esamethyl-biguanide chlorohydrate
Xi; R36/38-43-52-53

4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION.

Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

Water, CO2, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product. To do so, wear a mask and protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

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Aqua Plus

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.
After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.

Incompatible materials:

None in particular.

Storage conditions:

Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Not needed for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:

Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):
None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	clear liquid blue
Odour:	typical
pH:	4,5
Boiling point:	100 °C
Flash point:	150 °C
Relative density:	1,033 g/cm ³
Solubility in water:	soluble

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

Hazardous decomposition products:

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth) and powerful reducing agents.

It may generate toxic gases on contact with oxidising mineral acids, and powerful oxidising agents.

It may catch fire on contact with powerful oxidising agents.

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

The product does not contain toxicologically relevant substances.

12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

List of substances dangerous for the environment and corresponding classification:

5% - 7% bronopol (INN)

N.67/548/CEE: 603-085-00-8 CAS: 52-51-7 EC: 200-143-0

R50 Very toxic to aquatic organisms.

1% - 3% Poli-esametilbiguanide

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

Xi Irritant

R Phrases:

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

S Phrases:

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

Contents:

Poli-esametilbiguanide

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents').

16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

R21/22 Harmful in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R50 Very toxic to aquatic organisms.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

MAGNOLIA SRL LABORATORIO	PRODUCT DATA SHEET		ST-12-bis REV.1
			date 03/03/2010
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Aqua Plus		
INTENDED USE	DENTAL UNIT WATER SUPPLY PIPING DISINFECTION	
STANDARDS AND REGULATIONS APPLICABLE TO THE PRODUCT	CE 1272/2008 REG.	DANGEROUS PRODUCT LABEL AND FURTHER MODIF. AND INTEGR
	REG. 93/42/CE	AND FURTHER MODIF. AND INTEGR
	UNI CEI EN ISO 14971:2009	RISKS MANAG.
	UNI EN 980:2009	GRAPHICAL SYMBOLS
	GOV. DECREE 81/2008	HEALTH PROTECTION AND FURTHER MODIF. AND INTEGR
	UNI EN ISO 13485:2004	REQUIREMENTS
CE OFFICIAL EFFECTIVENESS TESTS	STANDARD UNI EN 13727 OCTOBER 2004 - BACTERICIDAL EFFECTIVENESS (BIOLAB TEST REPORT SAM 3656-2 DTD 29/12/2006) STANDARD UNI EN 13624 NOVEMBER 2004 - FUNGICIDAL EFFECTIVENESS (BIOLAB TEST REPORT SAM 3156-2 DTD 18/10/2006) STANDARD UNI EN 14348 JUNE 2005 – MYCOBACTERICIDAL EFFECTIVENESS (BIOLAB TEST REPORT SAM 3156-4 DTD 18/10/2006) STANDARD prEN 13623:2006 –BACTERICIDAL EFFECTIVENESS-LEGIONELLA (BIOLAB TEST REPORT SAM 3712 DTD 05/12/2006)	
CHEMICAL COMPOSITION	1% POLY-ESAMETHYL-BIGUANIDE CHLOROHYDRATE 5% 2-BROMO-2-NITRO-1, 3-PROPANE (BRONOPOL)	1 % DISODIUM EDTA 0.05% MINT AROMA
CHEMICAL-PHYSICAL CHARACTERISTICS	PH (as it is)	4 - 5
	DENSITY AT + 20°C (g/cm ³)	1.033 ± 0.005
	ASPECT AND COLOUR	CLEAR LIGHT BLUE
	ODOUR	LIGHT - MINT
	REFRACTION INDEX (R.I.)	1.345 ± 0.005
	SOLUBILITY IN WATER	COMPLETE
PERFORMANCE	EFFECTIVE AGAINST : - BACTERIA (STAPHYLOCOCCUS AUREUS, PSEUDOMONAS AERUGINOSA, ENTEROCOCCUS HIRAE, LEGIONELLA PNEUMOPHILA) - FUNGI (CANDIDA ALBICANS, ASPERGILLUS NIGER) - MYCOBACTERIA (MYCOBACTERIUM AVIUM, MYCOBACTERIUM TERRAE)	
INSTRUCTION FOR USE	PREPARE A SOLUTION AT 4% WITH WATER AND FILL THE DENTAL UNIT WATER SUPPLY PIPING. WAIT 60 MIN. FOR A DISINFECTANT ACTION OR 10 MIN. FOR A BACTERICIDAL ACTION	
SHELF LIFE	2 YEARS FROM PREPARATION (IN ORIGINAL CONTAINER)	
STORAGE CONDITIONS	OUT OF DIRECT SUNSHINE – ROOM TEMPERATURE	
FLAMMABILITY	> 100 °C (= NOT-FLAMMABLE)	

DANGER WARNING	Xi Irritant
DANGER LABELLING	R36 – R43 S24 – S26 – S37

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BIODEGRADABILITY OF COMPONENTS	BRONOPOL AND PHMBG ARE POLLUTANT AND DANGEROUS FOR THE ACUATIC ENVIRONMENT. BRONOPOL IS CLASSIFIED AS NOT READILY BIODEGRADABLE. PHMBG HAS A LOW BIOACCUMULATION POTENTIAL AND A LOW MOBILITY IN SOIL. DISODIUM EDTA IS NOT EASILY BIODEGRADABLE.	
UNIT CONTAINER	Pack characteristics	PLASTOPIAVE PE 500 ML BLUE CYLINDRICAL BOTTLE WITH TRANSPARENT BAND (OUR CODE 201001) CAP WITH SEALING RING
	Dimensions (mm)	190 H X 67 Ø
	Weight (empty bottle) (g)	34.5 ± 1
	Weight (cap) (g)	6.7 ± 1
	Weight (content+bottle with cap) (g)	MINIMUM 556.0
Label	WRAP-AROUND LABEL (SEE ATTACHMENT A)	
MULTI-UNIT CONTAINER	Pack characteristics	NON-SCHEDULED
	Dimensions(carton)(mm)	
	Content	
	Weight (kg)	