

EC Safety Data Sheet

BAQUASPA Sanitizer with Stain & Scale Control

Version 1
Revision date 09.06.2003

Date of issue 09.06.2003

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

Product Information

Trade name : BAQUASPA Sanitizer with Stain & Scale Control

Company : Avecia Biocides
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Proprietary blend with 20% PHMB.

Product Code : 49600

Hazardous components

Chemical name	CAS-No.	Symbol(s)	R-phrases	Concentration [%]
Polymeric Biguanide Hydrochloride	27083-27-8	Xn, N	R22 R41 R38 R43 R50 R53	Approx. 20 %
Propylene glycol	57-55-6			15 - 30%
Hydrochloric acid	7647-01-0	C	R34 R37	>= 0.2 - <= 0.5%
Ethylene diamine tetra acetic acid tetra sodium salt	64-02-8	Xn	R22 R36	5 - 15%

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Irritating to eyes.
Harmful if swallowed.
May cause sensitisation by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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4. FIRST AID MEASURES

- Inhalation : Remove patient from exposure, keep warm and at rest.
- Skin contact : Remove contaminated clothing.
Wash skin with water.
Contaminated clothing should be laundered before re-issue.
- Eye contact : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes.
Obtain medical attention.
- Ingestion : Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.
Do not induce vomiting.
Obtain medical attention.

Notes to physician

- Treatment : Symptomatic. Administer oxygen if there are signs of cyanosis.
If clinical condition deteriorates, administer 10cc Methylene Blue intravenously. It is unlikely for this to be required with a methaemoglobin level of less than 40%.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media : foam, CO2 or dry powder.
- Specific hazards during fire fighting : Not classed as flammable.
If involved in a fire, it may emit noxious and toxic fumes.
- Special protective equipment for fire-fighters : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear suitable gloves.
Ensure suitable personal protection during removal of spillages.
- Environmental precautions : Do not allow to enter drains, sewers or watercourses.
- Methods for cleaning up : Adsorb spillages onto sand, earth or any suitable adsorbent material.
Transfer to a container for disposal.
Wash the spillage area clean.
Use of high pressure hoses to remove spillages may create an aerosol and should be avoided.
Washings must be prevented from entering surface water drains.

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7. HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin and eyes.
Keep out of the reach of children.
Keep away from food, drink and animal feeding stuffs.
Provide adequate ventilation to ensure that the defined occupational exposure limit is not exceeded.

Storage

Requirements for storage areas and containers : Keep container tightly closed.
Keep only in the original container.

Materials not to be stored together : Keep away from oxidising agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

OES/HSE Propylene glycol TWA = 150 ppm
Total (vapour & particulates)
57-55-6 TWA = 474 mg/m³
Total (vapour & particulates)
TWA = 10 mg/m³
Particulates

OES/HSE Hydrochloric acid TWA = 1 ppm
STEL = 5 ppm
7647-01-0 STEL = 8 mg/m³
TWA = 2 mg/m³

Personal protection equipment

Respiratory protection : Wear suitable respiratory protective equipment if exposure to high levels of material are likely.

Hand protection : Wear suitable gloves.

Eye protection : Wear eye/face protection.

Skin and body protection : Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

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Colour : blue
Odour : pleasant

Safety Data

Melting point : No data.
Boiling point : approx. 100 °C
Autoignition temperature : No data.
Flash point : does not flash
Upper explosion limit : No data.
Lower explosion limit : No data.
Vapour pressure : No data.

Relative Density : 1.14

Water solubility : soluble

pH : 8.3

Partition coeff. : No data.

Additional Information : Oxidizing properties
None known.
: Explosive properties
None known.

10. STABILITY AND REACTIVITY

Conditions to avoid : See 'Fire Fighting Measures'.

Materials to avoid : Can react with strong oxidising agents

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Oral Median Lethal Dose female rats
Dose: 1,617 mg/kg
Harmful if swallowed.

Acute inhalation toxicity : May cause irritation to the respiratory system.
High atmospheric concentrations may lead to
methaemoglobinemia

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Acute dermal toxicity	:	Dermal Median Lethal Dose rat Dose: > 2,000 mg/kg
Skin irritation	:	Slight/mild irritant.
Eye contact	:	Irritating to eyes.
Sensitisation	:	May cause sensitisation by skin contact.
Delayed Or Chronic Toxicological Effects	:	Long Term Exposure Studies in animals have shown that PHMB does not represent a carcinogenic or teratogenic risk to man.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Further information on ecology

Additional ecological information	:	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Cationic substances are regarded to be effectively removed in waste water treatment processes by complex formation and adsorption.
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13. DISPOSAL CONSIDERATIONS

Disposal method	:	Disposal should be in accordance with local, state or national legislation.
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14. TRANSPORT INFORMATION

Dangerous for Transport

UN No. 3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

Hazardous components (Polymeric Biguanide Hydrochloride,)

Road transport ADR/RID

Class: 9
Risks: (,III)

Maritime Transport IMDG

Class: 9
Risks: (,III)
Marine pollutant: Marine pollutant

Air Transport ICAO/IATA

Class: 9

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Risks: (,III)

15. REGULATORY INFORMATION

Classification according to EEC directives

Hazardous components which must be listed on the label:

- Polymeric Biguanide Hydrochloride

Hazard labels	: Xn	Harmful
R-phrases	: R36 R22 R43	Irritating to eyes. Harmful if swallowed. May cause sensitisation by skin contact.
S-phrases	: S2 S23 S26 S36/37/39 S45 S51	Keep out of the reach of children. Do not breathe spray In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Use only in well ventilated areas.
Water contaminating class	: WGK3 VwVwS Ann. 4	

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC).

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