

EC Safety Data Sheet

BAQUASPA pH Decreaser

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 pH Decreaser

Company : Avecia Biocides
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Powder to lower pH

Product Code : 49640
CAS-No. : 7681-38-1
EEC-No. : 231-665-7

Hazardous components

Chemical name	CAS-No.	Symbol(s)	R-phrases	Concentration [%]
Sodium hydrogen sulphate	7681-38-1	Xi	R41	75 - 100%

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Risk of serious damage to eyes.
Causes burns to skin in presence of moisture.
Exposure to the dust may cause irritation to the respiratory tract.

4. FIRST AID MEASURES

General advice : SPEED IS ESSENTIAL.

Inhalation : Remove patient from exposure, keep warm and at rest.
Obtain medical attention if ill effects occur.

EC Safety Data Sheet

BAQUASPA pH Decreaser

Version 1

Revision date 09.06.2003

Date of issue 09.06.2003

- Skin contact** : Take off immediately all contaminated clothing.
Wash skin immediately with water, followed by soap and water.
Obtain immediate medical attention.
Contaminated clothing should be laundered before re-issue.
- Eye contact** : Immediately irrigate with eyewash solution or clean water,
holding the eyelids apart, for at least 15 minutes.
Obtain immediate medical attention.
Continue irrigation until medical attention can be obtained.
- Ingestion** : Provided the patient is conscious, wash out mouth with water
and give 200-300 ml (half a pint) of water to drink.
Do not induce vomiting.
Obtain immediate medical attention.

Notes to physician

- Treatment** : Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media** : water spray, foam, dry powder or CO₂.
Water spray should be used to cool containers.
- Specific hazards during fire fighting** : Not classed as flammable.
Combustion or thermal decomposition will evolve toxic and irritant vapours.
- Special protective equipment for fire-fighters** : Suitable respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Ensure suitable personal protection (including respiratory protection) during removal of spillages.
- Environmental precautions** : Do not allow to enter drains, sewers or watercourses.
- Methods for cleaning up** : Clear up spillages.
Transfer to a container for disposal.
Wash the spillage area clean.

7. HANDLING AND STORAGE

Handling

- Advice on protection against fire and explosion** : Keep away from heat and sources of ignition. Do not mix with other chemicals.
- Advice on safe handling** : Avoid contact with skin and eyes.
Do not breathe dust.

Storage

EC Safety Data Sheet

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Version 1

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Requirements for storage areas and containers : Keep locked up and out of reach of children.
Keep only in the original container.
Keep container tightly closed and in a well ventilated place.
Keep away from moisture.
Never add water to this product.

Materials not to be stored together : strong oxidising agents
alkalis
metals

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

OES/HSE Dusts : TWA 4 mg/m³
(Respirable Dust)
TWA 10 mg/m³
(Total Dust)

Personal protection equipment

Respiratory protection : Wear suitable respiratory protective equipment if exposure to high levels of dust 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 : powder

Colour : white

Odour : odourless

Safety Data

Melting point : approx. 205 °C

Boiling point :
Autoignition temperature : No data.

Flash point : Not applicable

Upper explosion limit : No data.

EC Safety Data Sheet

BAQUASPA pH Decreaser

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Lower explosion limit	: No data.
Vapour pressure	: Not applicable
Relative Density	: 1.45 at 20 °C
Water solubility	: 180 gm/l at 25 °C
pH	: 1.8 at 1.2 % w/w soln.
Partition coeff.	: No data.
Additional Information	: Explosive properties None known. : Oxidizing properties None known.

10. STABILITY AND REACTIVITY

Conditions to avoid	: Keep away from heat.
Materials to avoid	: Bleaching powder , oxidising agents , inorganic nitrates , alkaline materials . Exothermic reaction with water
Hazardous decomposition products	: See 'Fire Fighting Measures'.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: Will cause corrosion of and damage to the gastrointestinal tract.
Acute inhalation toxicity	: Dust may be corrosive to the upper respiratory tract. May cause irritation to the respiratory system.
Acute dermal toxicity	: Causes burns to skin in presence of moisture. May cause severe irritation.
Eye contact	: Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Bioaccumulation	: The substance has low potential for bioaccumulation.
Transport between environm. compartments	: Solubility The substance is soluble in water.

EC Safety Data Sheet

BAQUASPA pH Decreaser

Version 1

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Ecotoxicity effects

Acute toxicity to aquatic invertebrates : Toxicity to daphnia
Species: daphnia magna
EC50
Dose: 190 mg/l

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

15. REGULATORY INFORMATION

Classification according to EEC directives

Hazardous components which must be listed on the label:

- Sodium hydrogen sulphate

Classification : IRRITANT

Hazard labels : Xi Irritant

R-phrases : R41 Risk of serious damage to eyes.

S-phrases : S2 Keep out of the reach of children.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.

Additional Information : EC LABEL

Water contaminating class : WGK1
VwVwS Ann. 2

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16. OTHER INFORMATION

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

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