

EC Safety Data Sheet

BAQUASPA pH Increaser

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 Increaser

Company : Avecia Biocides
Hexagon House, Blackley, Manchester M9 8ZS UK

Telephone : +44 (0) 161 740 1460
Telefax : +44 (0) 161 795 6005
Emergency telephone : +44 1484 538444
Emergency fax : +44 1484 433197

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Powder for raising pH

Product Code : 49645
EEC-No. : 207-838-8

Hazardous components

Chemical name	CAS-No.	Symbol(s)	R-phrases	Concentration [%]
Sodium Carbonate	497-19-8	Xi	R36	> 75 %

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Irritating to eyes.

4. FIRST AID MEASURES

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

Skin contact : Wash skin with water.
If symptoms develop, obtain medical attention.

Eye contact : Immediately irrigate with eyewash solution or clean water,
holding the eyelids apart, for at least 15 minutes.

EC Safety Data Sheet

BAQUASPA pH Increaser

Version 1

Revision date 09.06.2003

Date of issue 09.06.2003

Obtain medical attention.

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 : As appropriate for surrounding materials/equipment.
Water spray should be used to cool containers.

Specific hazards during fire fighting : Non-combustible.
If involved in a fire, it may emit noxious and toxic fumes.
Solutions may react with aluminium or its alloys to produce a flammable gas, hydrogen, which may form explosive mixtures in air.

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 : Ensure suitable personal protection (including respiratory protection) during removal of spillages.
Protect against dust.

Environmental precautions : Do not allow to enter drains, sewers or watercourses.

Methods for cleaning up : Protect against dust.
Ventilate area.
Clear up spillages.
Transfer to a container for disposal.
Wash the spillage area clean.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Keep out of the reach of children.
Avoid contact with skin and eyes.
Do not breathe dust.
Use only in well ventilated areas.
Atmospheric levels should be controlled in compliance with the occupational exposure limit.

Storage

EC Safety Data Sheet

BAQUASPA pH Increaser

Version 1

Revision date 09.06.2003

Date of issue 09.06.2003

- Requirements for storage areas and containers : Keep out of the reach of children.
Keep container tightly closed, in a cool, well ventilated place.
Keep only in the original container.
This material is hygroscopic.
Avoid ingress of moisture by keeping containers properly sealed when not in use.
- Materials not to be stored together : Keep away from aluminium, strong acids, acid anhydrides, lithium and phosphorous pentoxide.

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 : 851 °C
- Boiling point : 1,600 °C
- Autoignition temperature : No data.
- Flash point : No data.

EC Safety Data Sheet

BAQUASPA pH Increaser

Version 1

Revision date 09.06.2003

Date of issue 09.06.2003

Upper explosion limit	: No data.
Lower explosion limit	: No data.
Vapour pressure	: No data.
Relative Density	: 1.05 at 20 °C
Water solubility	: 471 gm/1
pH	: 11.3 at 1% solution alkaline
Partition coeff.	: No data.
Additional Information	: Explosive properties See 'Fire Fighting Measures'. : Oxidizing properties None known.

10. STABILITY AND REACTIVITY

Materials to avoid	: Can react with strong acids , lithium aluminium and light alloys Will react with acid to produce carbon dioxide.
Hazardous decomposition products	: carbon dioxide
Hazardous reactions	: Type: Stability Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 rat Dose: 4,090 mg/kg A permitted food additive. The swallowing of small amounts is unlikely to cause any adverse effects. Large doses may produce damage to the gastrointestinal tract
Acute inhalation toxicity	: Dust may be irritant to the upper respiratory tract.
Skin irritation	: Dust may cause irritation. Repeated and/or prolonged skin contact will remove the natural greases resulting in dryness, cracking and dermatitis.
Eye contact	: Irritating to eyes. May cause corneal injury. Permanent damage is unlikely.
Delayed Or Chronic Toxicological Effects	: Long Term Exposure Repeated exposure by inhalation produces adverse effects on the respiratory system.

EC Safety Data Sheet

BAQUASPA pH Increaser

Version 1

Revision date 09.06.2003

Date of issue 09.06.2003

High atmospheric concentrations may cause ulceration of nasal septum, which may progress to perforation or complete destruction of the nasal cartilage.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Bioaccumulation : The substance has no potential for bioaccumulation.

Ecotoxicity effects

Acute and prolonged toxicity to fish : Toxicity to fish
LC50
Dose: > 100 mg/l
Exposure time: 96 h

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 Carbonate

Classification : IRRITANT

Hazard labels : Xi Irritant

R-phrases : R36 Irritating to eyes.

S-phrases : S2 Keep out of the reach of children.
S22 Do not breathe dust.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.

EC Safety Data Sheet

BAQUASPA pH Increaser

Version 1

Revision date 09.06.2003

Date of issue 09.06.2003

Additional Information : EC LABEL

Water contaminating class : WGK1
VwVwS Ann. 2

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC).
BAQUASPA is a trade mark of Avecia Limited.

The information and recommendations in this publication are to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

A vertical bar (|) in the left margin indicates an amendment from the previous version.