

1. Chemical product and company identification

1.1 Product name

QUANTOPHOS H

1.2 Manufacturer/supplier identification

BWT - AG
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12.12.2002

1.2.1 Contact for information

1.2.2 Emergency telephone No.:

1.3 Date of issue/revision

2. Composition/Information on ingredients

2.1 Chemical characterisation (substance)

2.2 Chemical characterisation (preparation)

2.2.1 Description

Preparation of foodgrade phosphates for drinking water treatment

2.2.2 Hazardous ingredients

None

CAS-No.:	% mass	R-phrases	Symbol
-	-	-	-

2.2.3 Identification numbers

EINECS No.:	EEC number:
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3. Possible Hazards

3.1 Hazards identification

No hazardous product as specified in Directive 67/548/EEC

3.2 Special hazards information for man and environment

-

4. First aid measures

4.1 General recommendations

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4.2 After inhalation

Fresh air. Consult doctor if feeling unwell

4.3 After skin contact

Wash off with plenty of water
Remove contaminated clothing

4.4 After eye contact

Wash off with plenty of water

4.5 After ingestion

Make victim drinking plenty of water
Induce vomiting
Summon doctor if feeling unwell

4.6 Advice to doctor

4.6.1 Effects

5. Fire fighting measures

5.1 Suitable extinguishing media

To suit environment

5.2 Inappropriate extinguishing media

No restriction

5.3 Specific hazards

None
Non-combustible

5.4 Special protective equipment

-

6. Accidental release measures

6.1 Person-related precautionary measures

-

6.2 Environmental precautions

Do not discharge into the environment (sewers, rivers, soils ...)

6.3 Methods for cleaning up/taking up

Take up dry
Forward for disposal
Clean up affected area

7. Handling and storage

7.1 Handling

7.1.1 Advice on safety handling No further requirements

7.1.2 Advice on protection against fire and explosion No special measures necessary.

7.2 Storage

7.2.1 Requirements for storage rooms and vessels Store tightly closed and dry

7.2.2 Advice on storage compatibility

7.2.3 Further information on storage conditions
Keep only in the original containers
Never fill into other containers

8. Exposure controls and personal protection

8.1 Additional advice on system design

8.2 Ingredients with occupational exposure

8.2.1 CAS-No., Hazardous ingredient, Code, Value, Unit None (See item 3.1)

8.2.2 Additional informations -

8.3 Personal protection equipment

8.3.1 Respiratory protection Required when dusts are generated

8.3.2 Hand protection Protectice gloves

8.3.3 Eye protection Wear eye protection

8.3.4 Skin protection Not required

8.3.5 General protective measures
Keep away from food, drink and animal feedingstuffs
Do not breathe gas/fumes/vapour/spray

8.3.6 Hygiene measures
Do not eat/drink while working
Wash hands after work/before breaks
Change contaminated clothing

9. Physical and chemical properties

9.1 Appearance

9.1.1 Form -
solid

9.1.2 Colour white

9.1.3 Odour odourless

9.2 Data relevant for safety

9.2.1 pH-value T=20°C 7,9 ± 0,2 (at 10 g/l water)

9.2.2 Changes in physical state
Melting temperature 600°C

9.2.3 Flash point n.a.

9.2.4 Ignition (solid/gas) n.d.

9.2.5 Ignition temperature n.a.

9.2.6 Autoignition (solid/gas) n.a.

9.2.7 Oxidizing properties n.a.

9.2.8 Explosive properties n.a.

9.2.9 Explosive limits Lower e.l./Upper e.l.: none

9.2.10 Vapour pressure (TI) 20°C n.a.

9.2.11 Bulk Density 1280 kg/m³

9.2.12 Solubility in water T=25°C 140 g/l

9.2.13 Partition coefficient (log pOW) n.a.

9.2.14 Viscosity T=20°C n.a.

9.2.15 Solvent separation test n.a.

9.2.16 Solvent concentration n.a.

9.3 Further information

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10. Stability and reactivity

10.1	Conditions to avoid	None
10.2	Materials to avoid	None
10.3	Hazardous decomposition products	None

11. Toxigological information

11.1	Toxicity test	
11.1.1	Acute toxicity (LD ₅₀ /LC ₅₀ values relevant to classification)	Acute toxicity LD ₅₀ 3900 mg/kg (oral, rat)
11.1.2	Specific symptoms in biological assay	-
11.1.3	Irritability/Corrosivness	After eye/skin contact: irritant effect
11.1.4	Sensibilization	No sensibilization known
11.1.5	Effects after short- or long-term exposure	
11.1.6	Mutagenity, teratogenity, carcinogenity	
11.2	Experiences made in praxis	
11.2.1	Observations important for validation	-
11.3	General remarks	Further hazardous properties cannot be excluded. However, when the product is handled appropriately, hazardous effects are unlikely to occur

12. Ecological information

12.1	Data on elimination (persistence and degradability)	
12.1.1	Physico-chemical	
12.1.1.1	Procedure	
12.1.1.2	Method of analysis	
12.1.1.3	Elimination rate	-
12.1.1.4	Validation	
12.1.2	Biological	
12.1.2.1	Procedure	
12.1.2.2	Method of analysis	
12.1.2.3	Elimination rate	
12.1.2.4	Validation	
12.2	Behaviour in environmental compartments	
12.3	Ecotoxicological effects	Quantitative data on the ecological effect of this product are not available
12.3.1	Aquatic toxicity	-
12.3.2	Behaviour in sewage plant	-
12.4	Furter information/ecology	
12.4.1	COD-value	mg/kg -
12.4.2	BOD-values	mg/g -
12.4.3	AOX -	
12.4.4	Contains following heavy metals and compounds of 76/464 EWG -	
12.4.5	General informations	Depending on the concentration, phosphates may contribute to the eutrophication of water supplies

13. Disposal considerations

13.1	Product	-
13.1.1	Recommendations	There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated individually in the EC member countries. We recommend to contact the local authorities in charge or approved waste disposal companies
13.2	Contaminated packaging	
13.2.1	Recommendations	Disposal in compliance with official regulations. Handle contaminated packaging like the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.
13.2.2	Recommended cleansing agent	-

14. Transport information

**Not subject
to
transport regulations**

15. Regulatory information

15.1 Labelling according to EC-regulations

15.1.1	Labelling	Labelling according to EC directives
15.1.2	Symbols and hazard classification	None
15.1.3	Hazardous component(s) to be indicated on label	None
15.1.4	R-phrases	None
15.1.5	S-phrases	None

15.2 National regulations

15.2.1	Restriction of occupation	-
15.2.2	Degree of interference/remarks	-
15.2.3	Classification according to VbF/remarks	-
15.2.5	Water pollution class (german regulation)	WGK 1: slightly polluting substance

16. Other regulations, restrictions and prohibition regulations

The information of this safety data sheet is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.