

## 1 Identification of substance:

**Trade name:** **BAQUACIL PHMB****Article number:** 11530 baq**Application of the substance / the preparation**

Water treatment

Water disinfectant

**Manufacturer/Supplier:**

ARCH WATER PRODUCTS FRANCE

BP 219 - 37402 Amboise Cedex - FRANCE

phone : +33 (0)2 47 23 43 00

fax : +33 (0)2 47 23 12 21

mail : archwpf@archchemicals.com

**Information in case of chemical emergency:**

NCEC - Tel. +44 (0)208 762 8322

{N.AMERICA &gt;&gt;&gt; ACEAN (Arch Chemicals Emergency Action Network) - Tel. +1 423 780 2970}

CALL A LOCAL NATIONAL POISON CONTROL UNIT

FOR UK CONTACT NCEC Tel 01865 407 333

## 2 Hazards identification

**Hazard description:**

Xi Irritant

N Dangerous for the environment

**Information concerning to particular hazards to man and environment**

Markings on the basis of internal knowledge

R 37/38 Irritating to respiratory system and skin.

R 43 May cause sensitisation by skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**GHS label elements****Warning**

4.1/1 - Very toxic to aquatic life with long lasting effects.

**Warning**

3.2/2 - Causes skin irritation.

3.4/1 - May cause an allergic skin reaction.

3.8/3 - May cause respiratory irritation.

**Prevention:**

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

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Specific treatment (see label).

If skin irritation occurs: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Wash contaminated clothing before reuse.

Collect spillage.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

**Chemical characterization****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 27083-27-8 Poly (hexamethylenebiguanide) hydrochloride

10-25%

Polymère Xn, Xi, N; R 22-37/38-41-43-50/53

Danger: Skull and crossbones 3.1.O/3, 3.2/2, 3.4.S/1, 3.8/3; Corrosion 3.3/1

Warning: Environment 4.1.C/1

**Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**After inhalation**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact**

Rinse with warm water.

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

**After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing** If symptoms persist consult doctor.

### 5 Fire fighting measures

**Suitable extinguishing agents** Water spray**Protective equipment:** No special measures required.

### 6 Accidental release measures

**Person-related safety precautions:** Wear protective clothing.**Measures for environmental protection:**

Keep contaminated washing water and dispose of appropriately.

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 7 Handling and storage

**Handling****Information for safe handling:** No special precautions are necessary if used correctly.

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**Information about fire - and explosion protection:** No special measures required.**Storage****Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Protect from frost.

Keep receptacle tightly sealed.

## 8 Exposure controls and personal protection gear

**Additional information about design of technical facilities:** No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.**Personal protective equipment****General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.**Protection of hands:**

Protective gloves.

**Material of gloves**

Rubber gloves

PVC gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Face protection



Tightly sealed goggles.

## 9 Physical and chemical properties:

**General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Light blue
<b>Odour:</b>	Characteristic

**Change in condition****Melting point/Melting range:** 0°C**Boiling point/Boiling range:** 102°C**Flash point:** Not applicable

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<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Vapour pressure at 20°C:</b>	23 hPa
<b>Density at 20°C:</b>	1.040 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with Water:</b>	Fully miscible
<b>pH-value at 20°C:</b>	5.5
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	80.0 %

**10 Stability and reactivity****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Dangerous reactions** No dangerous reactions known**Dangerous decomposition products:** Poisonous gases/vapours**11 Toxicological information****Acute toxicity:****Primary irritant effect:****on the skin:** Irritant to skin and mucous membranes.**on the eye:** Irritating effect.**Sensitization:** Sensitization possible through skin contact.**Additional toxicological information:**

Markings on the basis of internal knowledge

Irritant

**Sensitisation** May cause sensitisation by skin contact.**12 Ecological information:****Ecotoxical effects:****Acquatic toxicity:****27083-27-8 Poly (hexamethylenebiguanide) hydrochloride**

EC 50 48h 0.1-1mg/l (dm)

ErC 50 72h 0.01-0.1mg/l (g.algae) (-)

LC 50 96h 0.1-1mg/l (rainbow trout)

**Remark:**

Very toxic for fish

Very toxic for algae

**General notes:**

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

**13 Disposal considerations****Product:****Recommendation**

Must be specially treated adhering to official regulations.

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Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

**Land transport ADR/RID (cross-border)**

**ADR/RID class:** 9 (M6) Miscellaneous dangerous substances and articles.

**Danger code (Kemler):** 90

**UN-Number:** 3082

**Hazard label** 9

**Description of goods:** 3082 Environmentally hazardous substance, liquid, n.o.s.

**Maritime transport IMDG:**

**IMDG Class:** 9

**UN Number:** 3082

**Label** 9

**Packaging group:** III

**EMS Number:** F-A,S-B

**Marine pollutant:** Yes

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** 9

**UN/ID Number:** 3082

**Label** 9

**Packaging group:** III

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**UN "Model Regulation":** UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; 9

**Environmental hazards:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID; Marine pollutant

## \*15 Regulations

**Labelling according to EU guidelines:**

Markings on the basis of internal knowledge

**BPD labelling**

- Best before : see date on packaging
- Dispose of this material and its container to hazardous or special waste collection point.
- Providing this container when empty is thoroughly rinsed out in the pool, it may be disposed of via the recycling scheme

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**Code letter and hazard designation of product:**

Xi Irritant

N Dangerous for the environment

**Hazard-determining components of labelling:**

Poly (hexamethylenebiguanide) hydrochloride

**Risk phrases:**

37/38 Irritating to respiratory system and skin.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

2 Keep out of the reach of children.

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

28 After contact with skin, wash immediately with plenty of water.

29 Do not empty into drains.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**National regulations****Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**16 Other information:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant R-phrases**

22 Harmful if swallowed.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Department issuing MSDS:**

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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

**\* Data compared to the previous version altered.**