

*** 1 Identification of substance:****Trade name: BAQUACIL Shock****Article number:** 11523 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 >>> 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:**

Xn Harmful

Information concerning to particular hazards to man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 41 Risk of serious damage to eyes.

Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

GHS label elements**Danger**

3.2/1C - Causes severe skin burns and eye damage.

**Warning**

2.13/2 - May intensify fire; oxidizer.

**Warning**

3.1/4 - Harmful if swallowed.

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep/Store away from clothing/combustible materials.

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Take any precaution to avoid mixing with combustibles.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see label).
Rinse mouth.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO₂, powder or water spray.

Storage:

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: 7722-84-1 hydrogen peroxide solution 25-50%
EINECS: 231-765-0 C; R 8-20/22-34

Danger: Flame over circle 2.13/1; Skull and crossbones 3.1.O/3, 3.1.I/4; Corrosion 3.2/1B

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

4 First aid measures

General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation Supply fresh air; consult doctor in case of complaints.**After skin contact**

Rinse with warm water.

Immediately rinse with water.

After eye contact Rinse opened eye for several minutes (15) under running water. Then consult a doctor.**After swallowing** Call for a doctor immediately.

5 Fire fighting measures

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

6 Accidental release measures

Person-related safety precautions: Not required.**Measures for environmental protection:**

Keep contaminated washing water and dispose of appropriately.

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Dilute with plenty of water.

Measures for cleaning/collecting:

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

Dispose contaminated material as waste according to item 13.

7 Handling and storage

Handling**Information for safe handling:** No special precautions are necessary if used correctly.**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:** Store away from oxidizing agents.**Further information about storage conditions:** 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:****7722-84-1 hydrogen peroxide solution**OES Short-term value: 2.8 mg/m³, 2 ppmLong-term value: 1.4 mg/m³, 1 ppm**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.

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

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye protection:

Tightly sealed goggles.

9 Physical and chemical properties:

General Information

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

Change in condition**Melting point/Melting range:** -28°C**Boiling point/Boiling range:** 150°C

Flash point:	Not applicable
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure at 20°C:	23 hPa
Density at 20°C:	1.130 g/cm ³
Solubility in / Miscibility with	
Water:	Fully miscible
pH-value at 20°C:	0.8
Solvent content:	
Organic solvents:	0.0 %
Water:	65.1 %

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:** Oxygen

11 Toxicological information

Acute toxicity:**Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** Strong irritant with the danger of severe eye injury.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Harmful

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Irritant

12 Ecological information:

General notes:

Generally not hazardous for water.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

Product:**Recommendation**

Must be specially treated adhering to official regulations.

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:** 5.1 Oxidising substances.**Danger code (Kemler):** 58**UN-Number:** 2014**Packaging group:** II**Hazard label** 5.1+8**Maritime transport IMDG:****IMDG Class:** 5.1**UN Number:** 2014**Label** 5.1+8**Packaging group:** II**EMS Number:** F-H,S-Q**Marine pollutant:** No**Proper shipping name:** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

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Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 5.1
UN/ID Number: 2014
Label 5.1+8
Packaging group: II

Proper shipping name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
UN "Model Regulation": UN2014; HYDROGEN PEROXIDE, AQUEOUS SOLUTION; 5.1 (8); II

15 Regulations

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:

Xn Harmful

Hazard-determining components of labelling:

hydrogen peroxide solution

Risk phrases:

22 Harmful if swallowed.
 41 Risk of serious damage to eyes.

Safety phrases:

1/2 Keep locked up and out of the reach of children.
 17 Keep away from combustible material.
 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.
 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.

National regulations

Waterhazard class: Generally not 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

20/22 Harmful by inhalation and if swallowed.
 34 Causes burns.
 8 Contact with combustible material may cause fire.

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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: Reglement internationale concernent 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

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

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

