

**\* 1 Identification of substance:****Trade name: Fi-CLOR NON-CHLORINE SHOCK****Article number:** 11510 Fi-Clor 1**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

**Further information obtainable from:**

ARCH CHEMICALS Ltd

Wheldon Road - Castleford - West Yorkshire WF10 2JT - ENGLAND

Telephone: + 44 (0) 1977 714 100

Fax: + 44 (0) 1977 714 006

**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:**

C Corrosive

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

R 22 Harmful if swallowed.

R 34 Causes burns.

R 52 Harmful to aquatic organisms.

**GHS label elements****Danger**

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

**Warning**

3.1/4 - Harmful if swallowed.

4.1/3 - Harmful to aquatic life.

**Prevention:**

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

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

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**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.

**Storage:**

Store locked up.

**Disposal:**

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

### 3 Composition/information on ingredients

**Chemical characterization:****CAS No. Description:**

70693-62-8 pentapotassium bis(peroxymonosulphate)bis(sulphate)

**Identification number(s):**

EINECS Number: 274-778-7

### 4 First aid measures

**General information**

Take affected persons out into the fresh air.

Immediately remove any clothing soiled by the product.

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

**After inhalation** 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 (15) under running water. Then consult a doctor.**After swallowing**

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5 Fire fighting measures

**Suitable extinguishing agents** Water**For safety reasons unsuitable extinguishing agents** Carbon dioxide**Protective equipment:** No special measures required.

### 6 Accidental release measures

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.**Measures for environmental protection:**

Keep contaminated washing water and dispose of appropriately.

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

Do not allow to enter sewers/ surface or ground water.

**Measures for cleaning/collecting:**

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

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Ensure adequate ventilation.

## 7 Handling and storage

### Handling

#### Information for safe handling:

Avoid splashes or spray in enclosed areas.

Thorough dedusting.

#### Information about fire - and explosion protection:

Dust can combine with air to form an explosive mixture.

The product is not flammable

### 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 flammable substances.

#### Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

## 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:** Not required.**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:

Rubber gloves



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.

#### 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:



Tightly sealed goggles.

**Body protection:** Protective work clothing.

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## 9 Physical and chemical properties:

### General Information

**Form:** Powder  
**Colour:** White  
**Odour:** Characteristic

### Change in condition

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** undetermined

**Flash point:** Not applicable

**Flammability (solid, gaseous)** Product is not flammable.

**Ignition temperature:**

**Decomposition temperature:** >70°C

**Danger of explosion:** Product does not present an explosion hazard.

**Density:** Not determined

### Solubility in / Miscibility with

**Water:** Soluble

**pH-value (30 g/l) at 20°C:** 1.5 à 2.5

**Organic solvents:** 0.0 %

**Solids content:** 100.0 %

## 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

### Dangerous reactions

Reacts with heavy metals  
Reacts with halogenated compounds  
Reacts with strong oxidizing agents  
Reacts with alcohols, amines, aqueous acids and alkalis  
**Dangerous decomposition products:** Poisonous gases/vapours

## 11 Toxicological information

### Acute toxicity:

#### Primary irritant effect:

**on the skin:** Caustic effect on skin and mucous membranes.

**on the eye:** Strong caustic effect.

**Sensitization:** No sensitizing effects known.

### Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## 12 Ecological information:

### Ecotoxicological effects:

**Remark:** Harmful to fish

### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralized.  
Harmful to aquatic organisms

### 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:** 8 (C2) Corrosive substances.

**Danger code (Kemler):** 80

**UN-Number:** 3260

**Packaging group:** III

**Hazard label** 8

**Description of goods:** 3260 Corrosive solid, acidic, inorganic, n.o.s., pentapotassium bis(peroxymonosulphate) bis(sulphate)

#### Maritime transport IMDG:



**IMDG Class:** 8

**UN Number:** 3260

**Label** 8

**Packaging group:** III

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

**Marine pollutant:** No

**Proper shipping name:** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (pentapotassium bis(peroxymonosulphate) bis(sulphate))

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



**ICAO/IATA Class:** 8

**UN/ID Number:** 3260

**Label** 8

**Packaging group:** III

**Proper shipping name:** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (pentapotassium bis(peroxymonosulphate) bis(sulphate))

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**UN "Model Regulation":** UN3260; CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.; 8; III

## 15 Regulations

### Labelling according to EU guidelines:

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

#### 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

### Code letter and hazard designation of product:



C Corrosive

### Risk phrases:

- 22 Harmful if swallowed.
- 34 Causes burns.
- 52 Harmful to aquatic organisms.

### Safety phrases:

- 1/2 Keep locked up and out of the reach of children.
- 8 Keep container dry.
- 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.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### National regulations

**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly 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.

### 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  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)

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

