

## \* 1 Identification of substance:

**Trade name:** **Fi-CLOR pH & ALKALINITY REDUCER (Dry Acid)**

**Article number:** 10001 Fi-Clor 1

**Application of the substance / the preparation**

Water treatment

pH-corrective agent

**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 >>> ACEAN (Arch Chemicals Emergency Action Network) - Tel. +1 423 780 2970}

CALL A LOCAL NATIONAL POISON CONTROL

FOR UK CONTACT NCEC Tel 01865 407 333

## 2 Hazards identification

**Hazard description:**



Xi Irritant

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

R 41 Risk of serious damage to eyes.

**GHS label elements**



**Danger**

3.3/1 - Causes serious eye damage.

**Prevention:**

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

**Response:**

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.

## 3 Composition/information on ingredients

**Chemical characterization:**

**CAS No. Description:**

7681-38-1 sodium hydrogensulphate

**Identification number(s):**

**EINECS Number:** 231-665-7

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

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## 4 First aid measures

**After inhalation** Supply fresh air; consult doctor in case of complaints.**After skin contact** Rinse with warm water.**After eye contact** Rinse opened eye for several minutes (15) under running water. Then 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 equipment. Keep unprotected persons away.**Measures for environmental protection:** Keep contaminated washing water and dispose of appropriately.**Measures for cleaning/collecting:** Pick up mechanically.

## 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:** None.

## 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

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.

#### Rubber 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** Rubber gloves

#### 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.

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**Eye protection:**

Tightly sealed goggles.

**Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

**General Information**

**Form:** Granulate  
**Colour:** Yellowish  
**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.**Danger of explosion:** Product does not present an explosion hazard.**Density:** Not determined**Solubility in / Miscibility with****Water:** Soluble**pH-value (10 g/l) at 20°C:** 1.5**Organic solvents:** 0.0 %

## 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Dangerous reactions** Violent reactions with strong alkalis and oxidizing agents**Dangerous decomposition products:**

Poisonous gases/vapours

Sulphur oxides (SOx)

## 11 Toxicological information

**Acute toxicity:****LD/LC50 values relevant for classification:**

Oral LD50 2490 mg/kg (rat)

**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.

## 12 Ecological information:

**General notes:**

According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.

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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.

Not known to be hazardous to water.

**\* 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:** Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**14 Transport information****Land transport ADR/RID (cross-border)**

**ADR/RID class:** N.A.

**Maritime transport IMDG:**

**IMDG Class:** N.A.

**Marine pollutant:** No

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

**ICAO/IATA Class:** N.A.

**UN "Model Regulation":** -

**\* 15 Regulations****Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH)

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

Xi Irritant

**Hazard-determining components of labelling:**

Sodium hydrogen sulphate

**Risk phrases:**

41 Risk of serious damage to eyes.

**Safety phrases:**

2 Keep out of the reach of children.

24 Avoid contact with skin.

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

39 Wear eye/face protection.

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

**\* 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.

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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

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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

