

Material Safety Data Sheet
According to 91/155 EEC

Printing date 09.12.2004

Reviewed on 09.12.2004

*** 1 Identification of substance:****Trade name: Fi-CLOR pH INCREASER****Article number:** 10004 Fi-Clor**Application of the substance / the preparation**Water treatment
pH-corrective agent**Manufacturer/Supplier:**ARCH WATER PRODUCTS FRANCE
BP 219 - 37402 Amboise Cedex - FRANCE
tel : +33 (0)2 47 23 43 00
fax : +33 (0)2 47 23 12 21**Information in case of emergency:**CALL A LOCAL NATIONAL POISON CONTROL UNIT
OR ARCH USA CHEMICALS EMERGENCY 24 HOUR TEL No. + 1-423-780-2970
FOR UK CONTACT NCEC Tel 01865 407 333**2 Composition/Data on components:****Chemical characterization:****CAS No. Description:**

497-19-8 sodium carbonate

Identification number(s):**EINECS Number:** 207-838-8**EU Number:** 011-005-00-2**3 Hazard identification****Hazard description:**

Xi Irritant

Information concerning to particular hazards to man and environment

R 36 Irritating to eyes.

4 First aid measures**General information** Take affected persons out into the fresh air.**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 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:** Not required.**Measures for environmental protection:**

Keep contaminated washing water and dispose of appropriately.

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

Measures for cleaning/collecting: Pick up mechanically.**7 Handling and storage****Handling****Information for safe handling:**

No special precautions are necessary if used correctly.

Prevent formation of dust.

Information about fire - and explosion protection: No special measures required.

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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:** 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:** 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.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

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.

9 Physical and chemical properties:

General Information**Form:** Granulate**Colour:** White**Odour:** Odourless**Change in condition****Melting point/Melting range:** 851°C**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 at 20°C:** 1.0 à 1.1 g/cm³**Solubility in / Miscibility with
Water at 20°C:** 178 g/l**pH-value at 20°C:** 11.5**Solids content:** 100.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.**Dangerous reactions** Strong exothermic reaction with acids

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Dangerous decomposition products: Poisonous gases/vapours

11 Toxicological information

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

497-19-8 sodium carbonate

Oral LD50 4000 mg/kg (rat)

Primary irritant effect:**on the skin:** No irritant effect.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.

12 Ecological information:

General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, 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.

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.

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:

Xi Irritant

Risk phrases:

36 Irritating to eyes.

Safety phrases:

2 Keep out of the reach of children.

22 Do not breathe dust.

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

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

National regulations**Waterhazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

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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.

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