

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.04.2012

Rev. Index : 8

Revision: 17.04.2012

\* **1 Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name:** **Fi-CLOR™ CHLORINE/BROMINE REDUCER**

**Article number:** 10008 FiClor 1

**CAS / IUPAC** sodium thiosulphate

**CAS Number:**

7772-98-7

**EC number:**

231-867-5

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Sector of Use** SU21 Consumer uses: Private households / general public / consumers

**Product category**

PC37 Water treatment chemicals

PC20 Products such as ph-regulators, flocculants, precipitants, neutralization agents

**Application of the substance / the preparation** Water treatment

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Arch Water Products France now part of

LONZA MICROBIAL CONTROL

BP 219 - 37402 Amboise Cedex - FRANCE

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

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

framsds-reach.france.euwater@lonza.com

**Further information obtainable from:**

ARCH CHEMICALS Ltd now part of

LONZA MICROBIAL CONTROL

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

Telephone: + 44 (0) 1977 714 100

Fax: + 44 (0) 1977 714 002

**1.4 Emergency telephone number:**

Europe >>>> NCEC - Tel. +44 (0)1235 239 670

Africa & Middle East >>>> NCEC - Tel. +44 (0)1235 239 671

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

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## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC not applicable

Information concerning particular hazards for human and environment: not applicable

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

### 3.1 Chemical characterization: Substances

#### CAS No. Description:

7772-98-7 sodium thiosulphate

#### Identification number(s):

EC number: 231-867-5

\*

## 4 First aid measures

### 4.1 Description of first aid measures

**General information** No special measures required.

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

**After skin contact** Immediately rinse with 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.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

## 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:** No special measures required.

**6.3 Methods and material for containment and cleaning up:** Pick up mechanically.

### 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

## \* 7 Handling and storage

**7.1 Precautions for safe handling** No special measures required.**Handling**

DO NOT MIX WITH OTHER PRODUCTS  
DO NOT DISSOLVE BEFORE USE

**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Store away from oxidizing agents.**Further information about storage conditions:** None.**7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:** Not required.**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Filter P1.**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:** Not required.

## \* 9 Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:** Crystalline powder**Colour:** Clear**Odour:** Characteristic**Odour threshold:** Not determined.**pH-value (100 g/l) at 20°C:** 6.5

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**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**Self-igniting:** Not determined.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**Vapour pressure:** Not applicable.**Density at 20°C:** 1.47 g/cm<sup>3</sup>**Relative density** Not determined.**Vapour density** Not applicable.**Evaporation rate** Not applicable.**Solubility in / Miscibility with****Water:** Insoluble**Segregation coefficient (n-octanol/water):** Not determined.**Viscosity:****dynamic:** Not applicable.**kinematic:** Not applicable.**Organic solvents:** 0.0 %**9.2 Other information** No further relevant information available.\* **10 Stability and reactivity****10.1 Reactivity****10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions** Explosive reaction with oxidizing agents such as calcium chlorate and or peroxides**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:**

Danger of forming toxic pyrolysis products

Sulphur dioxide

**11 Toxicological information****11.1 Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.

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**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

\* **12 Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** Anorganic product, is not removable from water by biological cleaning process**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must be specially treated adhering to official regulations.

Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.\* **14 Transport information****14.1 UN-Number**

ADR, ADN, IMDG, IATA Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class Void

**14.4 Packing group**

ADR, IMDG, IATA Void

**14.5 Environmental hazards:****Marine pollutant:** No**14.6 Special precautions for user** Not applicable.**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.**Transport/Additional information:** Not dangerous according to the above specifications.**UN "Model Regulation":** -**15 Regulatory information****15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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.

### 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

ICAO: International Civil Aviation Organization

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.**

