



Page 1/5

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

Printing date 27.05.2009

Rev. Index : 11

Revision: 27.05.2009

* **1 Identification of substance:**

Trade name: **Fi-CLOR RAPID CLARIFIER**

Article number: 10105 Fi-Clor

Application of the substance / the preparation Water treatment

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 UNIT
FOR UK CONTACT NCEC Tel 01865 407 333

2 Hazards identification

Hazard description: not applicable

Information concerning to particular hazards to man and environment

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

GHS label elements Void

3 Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68140-76-1	Quaternary Ammonium Chloride, polymerized N; R 50 Warning: Environment 4.1.A/1	2.5-10%
CAS: 7722-84-1 EINECS: 231-765-0	hydrogen peroxide solution C, Xn, O; R 5-8-20/22-34 Danger: Flame over circle 2.13/1; Skull and crossbones 3.1.O/3, 3.1.I/4; Corrosion 3.2/1B	0.1-2.5%

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

4 First aid measures

General information No special measures required.

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

After skin contact

Rinse with warm water.

Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 2)

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

Printing date 27.05.2009

Rev. Index : 11

Revision: 27.05.2009

Trade name: Fi-CLOR RAPID CLARIFIER

(Contd. of page 1)

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

Use fire extinguishing methods suitable to surrounding conditions.

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.

Dilute with plenty of water.

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

Measures for cleaning/collecting:

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

Additional information: No dangerous substances are released.

7 Handling and storage

Handling**Information for safe handling:** No special measures required.**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:** Not required.**Further information about storage conditions:** Protect from frost.

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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.**Personal protective equipment****General protective and hygienic measures**

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

Respiratory protection: Not required.**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. 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

(Contd. on page 3)

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

Printing date 27.05.2009

Rev. Index : 11

Revision: 27.05.2009

Trade name: **Fi-CLOR RAPID CLARIFIER**

(Contd. of page 2)

9 Physical and chemical properties:**General Information**

Form:	Fluid
Colour:	Dark yellow
Odour:	Characteristic

Change in condition**Melting point/Melting range:** undetermined**Boiling point/Boiling range:** > 100°C**Flash point:** > 100°C**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Density at 20°C:** 1.090 g/cm³**Solubility in / Miscibility with****Water:** Fully miscible**pH-value at 20°C:** < 6**Solvent content:****Organic solvents:** 0.0 %**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:** No dangerous decomposition products known**11 Toxicological information****Acute toxicity:****LD/LC50 values relevant for classification:****68140-76-1 Quaternary Ammonium Chloride, polimerized**

Oral LD50 > 5000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rabbit)

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

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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

(Contd. on page 4)

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

Printing date 27.05.2009

Rev. Index : 11

Revision: 27.05.2009

Trade name: Fi-CLOR RAPID CLARIFIER

(Contd. of page 3)

12 Ecological information:

Ecotoxical effects:**Acquatic toxicity:****68140-76-1 Quaternary Ammonium Chloride, polimerized**

Oral LC50 - 96 hrs 1.75 mg/l (rainbow trout)

General notes:

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

Product:**Recommendation** 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.**UN "Model Regulation":** -

15 Regulations

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

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

Safety phrases:

2 Keep out of the reach of children.

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 soap and water.

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

National regulations**Waterhazard class:** Water danger class 3 (Self-assessment): extremely 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.

(Contd. on page 5)

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

Printing date 27.05.2009

Rev. Index : 11

Revision: 27.05.2009

Trade name: Fi-CLOR RAPID CLARIFIER

(Contd. of page 4)

Relevant R-phrases

20/22 Harmful by inhalation and if swallowed.

34 Causes burns.

5 Heating may cause an explosion.

50 Very toxic to aquatic organisms.

8 Contact with combustible material may cause fire.

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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