

**Material Safety Data Sheet**  
According to 91/155 EEC

Printing date 08.03.2005

Reviewed on 08.03.2005

**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 CHEMICALS Ltd

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

Telephone: + 44 (0) 1977 714 100

Fax: + 44 (0) 1977 712 456

**2 Composition/Data on components:****Chemical characterization****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:** Void**Additional information** For the wording of the listed risk phrases refer to section 16.**3 Hazard identification****Hazard description:** not applicable**Information concerning to particular hazards to man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**4 First aid measures****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 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.

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).

**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:** Keep receptacle tightly sealed.

(Contd. on page 2)

## Material Safety Data Sheet

According to 91/155 EEC

Printing date 08.03.2005

Reviewed on 08.03.2005

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

(Contd. of page 1)

### 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**

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:**



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. 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:**



Tightly sealed goggles.

### 9 Physical and chemical properties:

**General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Dark yellow
<b>Odour:</b>	Light

**Change in condition**

<b>Melting point/Melting range:</b>	undetermined
<b>Boiling point/Boiling range:</b>	> 100°C

<b>Flash point:</b>	Not applicable
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Density at 20°C:</b>	1.08 à 1.1 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with Water:</b>	Fully miscible
<b>pH-value at 20°C:</b>	< 6
<b>Viscosity:</b>	
<b>dynamic at 20°C:</b>	400 - 1500 cP

### 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

(Contd. on page 3)

**Material Safety Data Sheet**  
According to 91/155 EEC

Printing date 08.03.2005

Reviewed on 08.03.2005

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

(Contd. of page 2)

**11 Toxicological information****Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**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.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**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:****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 water.

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.

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