

Material Safety Data Sheet
According to 91/155 EEC

Printing date 15.12.2004

Reviewed on 15.12.2004

*** 1 Identification of substance:****Trade name: Fi-CLOR CLARIFIER TABLETS****Article number:** 10101 Fi-Clor**Application of the substance / the preparation**Water treatment
Flocculant/ Flocculating agent**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**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****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**CAS: 10043-01-3 aluminium sulphate
EINECS: 233-135-0

Xi; R 41 50-100%

Additional information For the wording of the listed risk phrases refer to section 16.**3 Hazard identification****Hazard description:**

Xi Irritant

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.

R 36/38 Irritating to eyes and skin.

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**General information** Take affected persons out into the fresh air.**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.

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

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 15.12.2004

Reviewed on 15.12.2004

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

(Contd. of page 1)

Measures for cleaning/collecting: Pick up mechanically.

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.

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:**

10043-01-3 aluminium sulphate

OES Long-term value: 2 mg/m³**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 trough 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

Form: Tablets
Colour: White
Odour: Characteristic

Change in condition

Melting point/Melting range: 180°C
Boiling point/Boiling range: undetermined

Flash point: Not applicable**Ignition temperature:****Decomposition temperature:** 315°C**Self-igniting:** Product is not selfigniting.

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 15.12.2004

Reviewed on 15.12.2004

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

(Contd. of page 2)

Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	1.6 g/cm ³
Solubility in / Miscibility with Water at 20°C:	125 g/l
pH-value (10 g/l) at 20°C:	3.0
Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions Reacts with strong alkali

Dangerous decomposition products: Poisonous gases/vapours

11 Toxicological information

Acute toxicity:

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Irritant

12 Ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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

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

(Contd. on page 4)

Material Safety Data Sheet
According to 91/155 EEC

Printing date 15.12.2004

Reviewed on 15.12.2004

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

(Contd. of page 3)

Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

36/38 Irritating to eyes and skin.

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.

National regulations**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly 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.

Relevant R-phrases

41 Risk of serious damage to eyes.

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