

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

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Printing date 27.05.2009

Rev. Index : 19

Revision: 27.05.2009

* **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 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:



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.

GHS label elements



Danger

3.3/1 - Causes serious eye damage.

Prevention:

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

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3 Composition/information on ingredients

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%
Danger: Corrosion 3.3/1
Warning: Environment 4.1.C/1

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

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.

Inform respective authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting: Pick up mechanically.

Additional information: See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling: No special precautions are necessary if used correctly.

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.

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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.

Rubber 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

Rubber 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

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.**Danger of explosion:** Product does not present an explosion hazard.**Density at 20°C:** 1.600 g/cm³**Solubility in / Miscibility with****Water at 20°C:** 125 g/l

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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

Sulphur trioxide (SO₃) or SO₃-mistSulphur oxides (SO_x)

11 Toxicological information

Acute toxicity:**LD/LC50 values relevant for classification:****10043-01-3 aluminium sulphate**

Oral LD50 6207 mg/kg (sr)

10043-35-3 boric acid

Oral LD50 2660 mg/kg (rat)

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:

Ecotoxical effects:**Acquatic toxicity:****10043-01-3 aluminium sulphate**

LC50 64.7 mg/l (rainbow trout)

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.

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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:

The product has been marked in accordance with EU Directives / respective national laws.

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

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.

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.

