

Material Safety Data Sheet

According to 91/155 EC

Printing date 12.11.2003

Reviewed on 12.11.2003

* 1 Identification of substance:

Trade name: **Fi-Clor Stabilizer**

Article number: 10200GB AUK1

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

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:

CAS No. Description:

108-80-5 cyanuric acid

Identification number(s):

EINECS Number: 203-618-0

* 3 Hazard identification

Hazard description:



Xn Harmful

Information concerning to particular hazards to man and environment

R 20/22 Harmful by inhalation and if swallowed.

R 36/37 Irritating to eyes and respiratory system.

* 4 First aid measures

General information

Take affected persons out into the fresh air.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact Rinse with warm water.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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After swallowing Call for a doctor immediately.

* 5 Fire fighting measures

Suitable extinguishing agents Water spray

Special hazards caused by the substance, its products of combustion or resulting gases:

During heating or in case of fire poisonous gases are produced.

Protective equipment: Mount respiratory protective device.

* 6 Accidental release measures

Person-related safety precautions: Mount respiratory protective device.

Measures for environmental protection: Keep contaminated washing water and dispose of appropriately.

Measures for cleaning/collecting:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

* 7 Handling and storage

Handling

Information for safe handling:

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: Keep respiratory protective device available.

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.

Store in cool, dry conditions in well sealed receptacles.

* 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: Not required.

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.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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.

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Eye protection:

Tightly sealed goggles.

Body protection: Protective work clothing.

9 Physical and chemical properties:

General Information

Form: Granulate
Colour: White
Odour: Odourless

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:** 320/330°C**Danger of explosion:** Product does not present an explosion hazard.**Density at 20°C:** 0.9 g/cm³

Solubility in / Miscibility with
Water at 20°C: 2.7 g/l

pH-value (2.5 g/l) at 20°C: 3.0**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 oxidizing agents**Dangerous decomposition products:** Poisonous gases/vapours

* 11 Toxicological information

Acute toxicity:**LD/LC50 values relevant for classification:****108-80-5 cyanuric acid**

Oral LD50 7700 mg/kg (rat)

Primary irritant effect:**on the skin:** No irritant effect.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.

12 Ecological information:

General notes: Generally not hazardous for water.

* 13 Disposal considerations

Product:**Recommendation**

Must be specially treated adhering to official regulations.

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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

Maritime transport IMDG:**Marine pollutant:** No

* 15 Regulations

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:

Xn Harmful

Risk phrases:

20/22 Harmful by inhalation and if swallowed.

36/37 Irritating to eyes and respiratory system.

Safety phrases:

2 Keep out of the reach of children.

8 Keep container dry.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

41 In case of fire and/or explosion do not breathe fumes.

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

National regulations**Waterhazard class:** Generally not 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.

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