

Material Safety Data Sheet
According to 91/155 EEC

Printing date 09.12.2004

Reviewed on 09.12.2004

*** 1 Identification of substance:****Trade name: Fi-CLOR pH & ALKALINITY REDUCER****Article number:** 10001 Fi-Clor**Application of the substance / the preparation**Water treatment
pH-corrective 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
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:**

7681-38-1 sodium hydrogensulphate

Identification number(s):**EINECS Number:** 231-665-7**EU Number:** 016-046-00-X**Chemical characterization****Description:** Mixture of substances listed below with nonhazardous additions.**3 Hazard identification****Hazard description:**

Xi Irritant

Information concerning to particular hazards to man and environment

R 41 Risk of serious damage to eyes.

4 First aid measures**After inhalation** Supply fresh air; consult doctor in case of complaints.**After skin contact** Rinse with warm water.**After eye contact** Rinse opened eye for several minutes under running water. Then 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.**Measures for cleaning/collecting:** Pick up mechanically.**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.

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Information about storage in one common storage facility: Store away from oxidizing agents.
Further information about storage conditions: None.

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

Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.

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.

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.

Body protection: Protective work clothing.

9 Physical and chemical properties:

General Information

Form: Granulate
Colour: Yellowish
Odour: Odourless

Change in condition

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

Flash point: Not applicable

Flammability (solid, gaseous) Product is not flammable.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined

Bulk density at 20°C: 1.400-1.450 kg/m³

Solubility in / Miscibility with

Water at 20°C: 280 g/l

pH-value (10 g/l) at 20°C: 1.5

Organic solvents: 0.0 %

10 Stability and reactivity

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

Dangerous reactions Violent reactions with strong alkalis and oxidizing agents

Dangerous decomposition products: Poisonous gases/vapours

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11 Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

7681-38-1 SODIUM HYDROGEN SULPHATE

Oral LD50 2490 mg/kg (rat)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: Strong irritant with the danger of severe eye injury.

Sensitization: No sensitizing effects known.

12 Ecological information:

General notes: Not known to be hazardous to water.

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: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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:

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

Code letter and hazard designation of product:



Xi Irritant

Risk phrases:

41 Risk of serious damage to eyes.

Safety phrases:

2 Keep out of the reach of children.

24 Avoid contact with skin.

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

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.**