Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

* 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

Article number: 10004 FiClor 1
REGULATION (EC) No 1272/2008 - ANNEX VI - International Chemical Identification sodium carbonate
CAS Number:
497-19-8
EC number:
207-838-8
Index number:
011-005-00-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of Use SU21 Consumer uses: Private households / general public / consumers
Product category
PC37 Water treatment chemicals
PC20 Products such as ph-regulators, flocculants, precipitants, neutralization agents
Application of the substance / the preparation
Water treatment
pH-corrective agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Arch Water Products France now part of
LONZA MICROBIAL CONTROL
BP 219 - 37402 Amboise Cedex - FRANCE
phone : +33 (0)2 47 23 43 00
fax : +33 (0)2 47 23 12 21

framsds-reach.france.euwater@lonza.com

Further information obtainable from:
ARCH CHEMICALS Ltd now part of
LONZA MICROBIAL CONTROL
Wheldon Road - Castleford - West Yorkshire WF10 2JT - ENGLAND
Telephone: + 44 (0) 1977 714 100
Fax: + 44 (0) 1977 714 002

1.4 Emergency telephone number:

Europe >>> NCEC - Tel. +44 (0)1235 239 670

Africa & Middle East >>> NCEC - Tel. +44 (0)1235 239 671

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

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

(Contd. of page 1)

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008


GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC


Xi; Irritant

R36: Irritating to eyes.

Information concerning particular hazards for human and environment: not applicable

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms


GHS07

Signal word Warning

Hazard-determining components of labelling:
sodium carbonate

Hazard statements
H319 Causes serious eye irritation.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No. Description:
497-19-8 sodium carbonate

Identification number(s):

EC number: 207-838-8

Index number: 011-005-00-2

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4 First aid measures

4.1 Description of first aid measures

General information Take affected persons out into the fresh air.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

(Contd. of page 2)

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. If symptoms persist, consult a doctor.
After swallowing If symptoms persist consult doctor.
4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents Water spray
5.2 Special hazards arising from the substance or mixture No further relevant information available.
5.3 Advice for firefighters
Protective equipment: No special measures required.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.
6.2 Environmental precautions:
Keep contaminated washing water and dispose of appropriately.
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up: Pick up mechanically.
6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

7.1 Precautions for safe handling Prevent formation of dust.

Handling

DO NOT MIX WITH OTHER PRODUCTS
DO NOT DISSOLVE BEFORE USE

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
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.
7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace: Not required.
Additional information: The lists valid during the making were used as basis.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

(Contd. of page 3)

8.2 Exposure controls
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:
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.
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

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Form:	Crystalline powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.
pH-value at 20°C:	11.5
Change in condition	
Melting point/Melting range:	854°C
Boiling point/Boiling range:	undetermined
Flash point:	Not applicable
Flammability (solid, gaseous)	Product is not flammable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

(Contd. of page 4)

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

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapour pressure: Not applicable.

Density at 20°C: 1.2 g/cm³

Bulk density at 20°C: 500-600 kg/m³
Relative density Not determined.
Vapour density Not applicable.
Evaporation rate Not applicable.

Solubility in / Miscibility with
Water at 20°C: 212 g/l

Segregation coefficient (n-octanol/water): Not determined.

Viscosity:
dynamic: Not applicable.
kinematic: Not applicable.
Organic solvents: 0.0 %

Solids content: 100.0 %
9.2 Other information No further relevant information available.

* 10 Stability and reactivity

10.1 Reactivity
10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions Strong exothermic reaction with acids
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

11.1 Information on toxicological effects
Acute toxicity:

LD/LC50 values relevant for classification:

497-19-8 sodium carbonate

Oral LD50 4000 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

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability Anorganic product, is not removable from water by biological cleaning process

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

(Contd. of page 5)

12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods
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

14.1 UN-Number
ADR, ADN, IMDG, IATA Void
14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Void
14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA
Class Void
14.4 Packing group
ADR, IMDG, IATA Void
14.5 Environmental hazards:
Marine pollutant: No
14.6 Special precautions for user Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.
UN "Model Regulation": -

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Waterhazard class: Water hazard class 1 (Assessment by list): slightly hazardous for water.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.04.2012 Rev. Index : 22 Revision: 17.04.2012

Trade name: Fi-CLOR™ pH INCREASER (Soda Ash)

(Contd. of page 6)

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.

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
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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