

SAFETY DATA SHEET

(In accordance with directive 2001/58/CE)

STERYLFIX

Rev.4

Date	Revision	Note
06/11/06	4	Insertion of VOC values and update to the XXIX amendment of the Dir. 1999/45/CE
18/02/05	3	Change of legal address
15/04/03	2	Update in accordance with the XXVIII change of the Dir. 1999/45/CE
02/12/02	1	Updated in accordance with the Dir 2001/58/CE
16/09/02	0	Published

1 Identification of company and product

Product Name: STERYLFIX

Product Description: Anti mould and algae detergent.

Company: OIKOS S.R.L. – Via Cherubini, 2
47043 Gatteo Mare (FC)
Tel. 0547/681412 – Fax 0547/681430

Emergency Telephone N°: 0547/681412

2 Composition/Information on Ingredients

Dangerous Components:

Component	No. CAS	No. EINECS	%	Classification	Phrases "R"
sodium hypochlorite 14-15% vol.	7681-52-9	231-668-3	25%	C	R31-R34

3 Danger Identification

The product results as being dangerous in accordance with Directive 1999/45/CE and following amendments.

Classification of the product: C corrosive

Indication of specific dangers for humans and the environment::

R34 Causes burns

R31 Contact with acids liberates toxic gas

4 First aid measures

Immediate medical assistance is not necessary.

Inhalation: Breathe fresh air. Consult a doctor should respiratory problems persist.

Eye contact: Wash thoroughly and persistently with water keeping the eyes wide open, apply 2 or 3 drops of anaesthetic eye drops and if irritation persists seek medical advice.

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Skin contact: Remove all contaminated clothes, wash with water and soap. In case of reddening or painful symptoms, dab with a diluted solution of sodium tiosulfate and wash.

Ingestion: Drink plenty of water, consult a doctor. Never give anything to be taken orally to a person who is unconscious.

5 Anti incendiary Measures

Ideal means of extinction: Use suitable means to surround and extinguish the fire (eg. CO₂, foam, water mist, powder).

Means of extinction indicated as inappropriate for safety reasons. None.

Products/gas from thermal decomposition: The product can decompose through heating. Do not breathe the fumes.

Special protection systems for fire fighting personnel: Suitable protective equipment for the respiratory system and the body.

6 Accidental spill or leak handling information

Individual precautions: Floors may become slippery; use care to avoid falling. Equip oneself with protective clothing. Ventilate thoroughly should the spillage occur in a closet environment.

Environmental precautions: Avoid the infiltration of surface water courses or sewer networks

Means of Intervention: Contain leaks with inert material (sand, sawdust, etc.). Transfer the product in separate containers for its recovery or disposal. Wash thoroughly with water.

7 Storage and handling

Handling Handle the product away from heat sources and from reducing substances.

Storage: Tenere i contenitori chiusi. Mantenere in ambiente fresco, al riparo da luce e da fonti di calore, lontano da acidi e da materiali combustibili.

8 Personal protection./exposure controls.

Exposure limit Information_: Data not available.

Controls on professional exposure:

- **Protection of the respiratory system:** In case of gas emissions, wear a face masdk with filter for acid vapours (type B).

- **Hand protection:** Protective PVC gloves.

- **Eye protection:** Safety glasses..

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- **Skin protection:** Use protective clothing.

Controls on environmental exposure: / Avoid infiltration in to surface water, the water table or the sewer network.

9 Proprietà chimiche e fisiche

Appearance	Liquid
Colour	Transparent
State	Liquid
Odour	Pungent
pH	12
Boiling point/interval	Data not available
Flash point	Data not available
Flammability	Data not available
Explosive properties	Data not available
Combustion properties	Data not available
Vapour pressure	Data not available
Relative density	1,00
Solubility	Mixable in water
Coefficient of Octanol/Water partition	Data not available
Viscosity	Fluid
Vapour density	Data not available
Appearance	Data not available

10 Stability and reactivity

Conditions to avoid: Keep away from acids and combustible material. Avoid contact with reducing agents and organic material.

Materials to avoid: Acid solutions of ammonia salts, reducing substances, organic materials, acids and combustible material.

The result of dangerous decomposition: On contact with acids chlorine develops that through heating can decompose. It is a strong oxidising agent. It reacts with acid solutions of ammonia salts resulting in the formation of explosive substances.

11 Toxicological Information

Toxicity from inhalation: Data not available.

Toxicity from ingestion: Data not available..

Irritation of the skin: Possibility of reddening, chemical burns and risk of dermatitis from prolonged and repeated contact.

Irritation of the eyes: Painful irritation, with possibility of damage and temporary tarnishing of the cornea.

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Acute toxicity of the component:

7681-52-9 sol. sodium hypochlorite 14-15% vol.

LD₅₀ (oral rat): 5000 mg/Kg

LD₅₀ (rat): 3000 mg/Kg

LC₅₀ (inhalation rat): 10000 mg/m³/h.

Ingestion can cause serious irritation of the mouth, throat, esophagus, vomit, abdominal cramps, state of shock. Risk of serious damage to the esophagus and the stomach.

12 Ecological Information

Ecotoxicity of the product: Data not available..

Mobility, persistence, degradability and potential bio accumulation of the components: data not available.

Further information: Use in accordance with good work practices, avoiding leakage of the product into the environment. Do not release into the water table, surface water or the sewer network.. Drain water used for washin after a spillage, only after having neutralised it by means of reduction or with a lot of water.

13 Remarks on disposal

Disposal: Residual product, waste deriving from its use and the empty containers must be disposed of in accordance with applicable regional or national legislation

14 Transport Information

Classification for transportation by road or rail (ADR/RID):

Class: 8
ONU Number: 1791
Description of goods: hypochlorite in solution
Packaging class: III

Classification for sea transportation (IMO/IMDG):

Class: 8
ONU Number: 1791
Description of goods: ipoclorito in soluzione
Packaging class: III

Classification for air transportation (IATA/ICAO):/

15 Information on the regulations

The product is classified according to the Chemical compound Directive 1999/45/CE updated to the XXIX amendment.

Labels:C Corrosive

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Components:

sodium hypochlorite 14-15% vol..

Phases “R” (Risk phrases):

R34 Causes burns

R31 Contact with acid liberates toxic gas

Phrases “S” (Safety phrases):

S 1/2 Keep locked up / Keep out of the reach of children

S 25 Avoid contact with eyes.

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

S 36/37/39 Wear suitable protective clothing / Wear suitable gloves / Wear eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (if possible show him the label).

Indications according to the norm 2004/42/CE regarding the emissions limit of volatile organic compounds (Directive VOC): Not destined for uses indicated by the directive 2004/42/CE.

16 Other Information

List of relative “R” phrases :

R34 Causes burns

R31 Contact with acid liberates toxic gas

Bibliography:

Safety Data Sheets supplied by Manufacturers.

The information contained in this Safety Data Sheet is correct as far as our best knowledge of the product at the time of publication. Such information is supplied with the only intent being to allow the correct and safe use, storage, transportation and disposal of the product. This information must not be considered a guarantee or proof of the quality of the product. Such information refers solely to the material specifically indicated in this safety data sheet and is not valid in the event that the product is used together with other materials or in other processes different from those indicated in the text of the above Safety Data Sheet.