



SAFETY DATA SHEET

Bleach Sterilizer

Atoma Chemicals

1 Identification of the substance/preparation and of the company/undertaking

Product Name : **Bleach Sterilizer** Supplier : **At-o-ma Chemicals**
Builder Street West
Llandudno
Conwy
North Wales
LL30 1HH

EMERGENCY ONLY Tel No : **01492 860773**
 TELEPHONE NO Fax No : **01492 870027**

2 Composition/information on ingredients

Substance/Preparation : **Preparation**

Chemical Name *	CAS No.	%	EC Number	Symbol	R-Phrases
1) Sodium Hypochlorite	7722-84-1	7	231-765-0		R5,R8,R20/22,R35

* Occupational Exposure Limit(s), if available, are listed in Section 8

CAS No. : **Mixture**
EINECS Number : **Mixture**

3 Hazard Identification

Human Health Hazard : **Harmful if swallowed.**
Risk of serious damage to eyes.

4 First-Aid Measures

First aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.

Eye Contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

Effects and Symptoms

- Inhalation** : Inhalation of the spray mist may produce severe irritation of respiratory tract, characterised by coughing, choking or shortness of breath. Overexposure by inhalation may cause respiratory irritation.
- Ingestion** : May be fatal if swallowed. May cause burns to mouth, throat and stomach. Harmful if swallowed.
- Eye Contact** : Very hazardous in case of eye contact (irritant). Corrosive to eyes. Inflammation of the eye is characterised by redness, watering and itching.
- Aggravating** : Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.
- Conditions** : Repeated or prolonged exposure to spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

5 Fire Fighting Measures

Extinguishing Media

- Suitable** : Oxidizing Material
Do not use water jet. Use flooding quantities of water. Avoid contact with organic materials.
- Special fire-fighting Procedures** : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.
- Protection for Fire Fighters** : Be sure to use approved/certified respirator or equivalent.

6 Accidental release measures

- Personal Precautions** : Splash goggles. Protective overalls/suit. Boots. Select appropriate protective clothing for the size of the spillage.
- Environmental precautions and cleanup methods** : Corrosive liquid. Oxidizing Material.
Stop leak if without risk. Absorb with dry earth, sand or other noncombustible material. Do not get water inside container. Avoid contact with combustible material (wood, paper, oil, clothing etc). Keep substance damp using water spray. Do not touch spilled material. Use water spray curtain to divert vapour drift.
Prevent entry into sewers, basements or confined areas: dike if needed. Eliminate all ignition sources.
Dispose of according to all federal, state and local applicable regulations.

7 Handling and storage

- Handling** : Keep containers dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material. Empty containers may still contain significant residual amounts of the product. Ground all equipment containing material. Do not ingest. Do not breathe in gas/fumes/vapor/spray. Never add water to this product. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
- Storage** : Keep containers tightly closed. Keep containers in a cool well ventilated area. Separate from acids, alkalis, reducing agents and combustibles. Separate from acids, alkalis, reducing agents and combustibles. See NFPA 43A, Code for the Storage of Liquid and Solid Oxidizers.
- Packaging Material**
- Recommended use** : Use original container.

8 Exposure controls/personal protection

- Engineering Measures** : Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapour below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.

<u>Ingredient Name</u>	<u>Workplace Exposure Limits</u>
1) SODIUM HYPOCHLORITE	EH40 (United Kingdom (UK)). MEL: 1.4 mg/m3 STEL: 2.8 mg/m3

Personal Protective Equipment

Respiratory System	Wear appropriate respirator when ventilation is inadequate.
Skin and body	Protective overalls/suit.
Hands	Impervious gloves.
Eyes	Splash goggles.

9 Physical and Chemical properties

Physical State	: Liquid
Colour	: Colourless
Odour	: Pungent
Density	: N/A
Solubility	: N/A
pH	: N/A
Flash point	: N/A

10 Stability and reactivity

Stability	: The product is stable
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11 Toxicological informationLocal Effects

Eye irritation	: Very hazzardous in case of eye contact. (irritant).
Acute toxicity	: LD50 : Not available : LC 50 : Not available
Chronic toxicity	: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged contact with spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

12 Ecological information

Ecotoxicity	: Not Available
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13 Disposal considerations

Methods of disposal;Waste of residues;Contaminated packaging	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Classification	Not available

14 Transport information

International transport regulations

UN UN Number : 1791
UN Proper shipping name : Sodium Hypochlorite 14/15%

UN Class : 8
UN Sub Class : 8
UN Packing Group : 111
UN Label :



ADR/RID : Class : 8 Sub-Class : 8

ADR/RID : Hazard Identification : 8,c9,80
Number

IMDG : Proper shipping name : Sodium Hypochlorite 14/15%

IMDG : Packing group : 111

IMDG : Class : 8 Sub-Class : 8

IATA Proper shipping name : Sodium Hypochlorite

IATA Packing group : II

IATA Additional information : Sub-class : 8

15 Regulatory information

EU Regulations

Hazard symbol(s)



Classification : Irritant

Risk Phrase : R22 - Harmful if swallowed.
R41 - Risk of serious damage to eyes.

Safety Phrases : S1/2 - Keep locked up and out of the reach of children.
S17 - Keep away from combustible material.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains : Sodium Hypochlorite

Product Use : Classification and labeling have been performed according to EU directives 67/548/EEC, including amendments and the intended use.
Consumer applications.

16 Other information

HISTORY

Date of printing : 20/02/2012
Date of issue : 20/02/2012
Date of previous issue : No previous Validation.
Version : 2.01
Prepared by :

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplies nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

CHANGES SINCE PREVIOUS VERSION

Version 2 : Exposure limit added.

Version	2.01
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