



# Material Safety Data Sheet

## 1. PRODUCT IDENTIFICATION

Identification of the substance

**Product Name** : SHIELDme Disinfectant  
**Other Names** : Electronically Activated Water  
**General Use** : Biocide  
**Chemical Name** : Water  
**Chemical Family** : Water

Company identification

**Address** : Shield Medica Limited  
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United Kingdom  
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**Web-site** : [www.shieldmedica.co.uk](http://www.shieldmedica.co.uk)  
**Date of Preparation** : March 22, 2020

## 2. PRODUCT INFORMATION

Chemical Name	CAS-No	EINECS-No	Wt/Vol %	Symbols
Sodium chloride	7647-14-5	231-598-3	0.2 – 0.4	NaCl
Hypochlorous acid	7790-92-3	232-232-5	0.01 – 0.02	HOCl
Sodium chlorate	7775-09-9	231-887-4	0.002	NaClO <sub>3</sub>
Water	7732-18-5	231-791-2	99.788 – 99.578	H <sub>2</sub> O

Comments: product ranges shown are typical values for Health, Safety and Environmental purposes and are not intended to be used as Specifications.

## 3. HAZARD IDENTIFICATION

**Physiochemical effects:** Not classified. No hazard expected under normal conditions of use.

**Human health effects:** Not classified. No hazard expected under normal conditions of use.



#### 4. FIRST AID MEASURES

**Inhalation:** Non-irritating. Remove to fresh air. Seek medical attention if ill effects occur.

**Ingestion:** Do not induce vomiting. Give plenty of water to drink. Seek medical attention if ill effects occur.

**Skin contact:** Non-irritating. Remove contaminated clothing immediately and wash skin with plenty of water. Seek medical attention if ill effects occur.

**Eyes:** Non-irritating. Immediately flush eyes with plenty of water for several minutes. Seek medical attention if ill effects occur.

#### 5. FIRE FIGHTING MEASURES

The product is not flammable.

#### 6. ACCIDENTAL RELEASE MEASURES

Wash to waste with plenty of water.

#### 7. HANDLING AND STORAGE

Handling: No special precautions

necessary.

Storage: Store in a closed, dark container at 5 - 35°C away from light.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limit: There are no recommended or established controls for this product.

Protective Equipment: Avoid prolonged contact with the skin. Use good personal hygiene practices.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Colourless, odourless aqueous solution with pH 6.5 - 7.5

#### 10. STABILITY AND REACTIVITY

No hazardous reactions are known if used for its intended purpose.

The product is considered stable under normal conditions of temperature and pressure and when stored in a closed, dark container. The product has a shelf life of 12 months.



## 11. TOXICOLOGICAL INFORMATION

LD<sub>50</sub> (oral, rat) > 10000 mg/kg < 40000 mg/kg

LD<sub>50</sub> (dermal, rat) > 10000 mg/kg

Inhalation LD<sub>50</sub> – not available

## 12. ECOLOGICAL INFORMATION

The product presents no hazard to the environment.

## 13. DISPOSAL CONSIDERATION

No special precautions are required for this product.

## 14. TRANSPORT INFORMATION

Not classified as dangerous for transport by RID/ADR, IMDG, IATA

**Proper shipping name:** Not applicable

## 15. REGULATORY INFORMATION

Health, safety and environment information shown on the label according to EU directives:  
The product is not classified as dangerous according to EU-directive 1999/45/EC.

## 16. OTHER INFORMATION

The product is an aqueous solution containing mainly hypochlorous acid as active ingredient intended for use as a biocide.

Risk phase key 31 – contact with acid liberates a toxic gas.

Prolonged contact with metal may lead to corrosion. Exposed metal areas must therefore be rinsed with water after use.