



www.shieldme.uk



SHIELD^{me}

HIGH-LEVEL DISINFECTANT & SANITISER

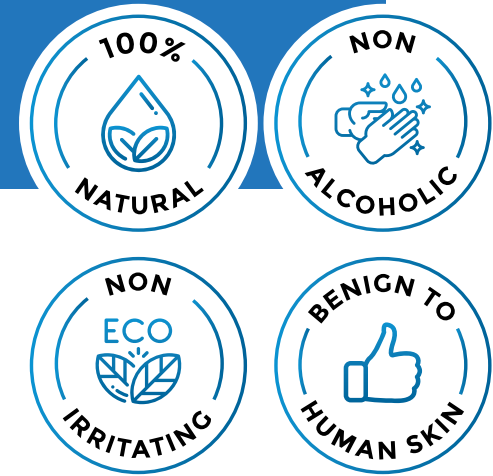
Effectively kills 99.999%

IN LESS THAN 1 MINUTE

- ✓ VIRUSES
- ✓ SPORES
- ✓ FUNGUS
- ✓ BACTERIA
- ✓ MYCOBACTERIA
- ✓ YEAST



is an Electronically Activated Water containing Hypochlorous Acid (HOCl) as active ingredient, this formula was declared by FDA on 2002 as a high level disinfectant.



SHIELDme™ is a powerful replacement for traditional chemical disinfecting and sterilization processes. The product uses only natural elements and has been repeatedly proven to be safe for humans yet lethal against all of pathogens.

SHIELDme™ is fast and effective against all know pathogens and kills 99.999% of harmful germs, viruses and spores including influenzas, E-coli, C-difficle, MRSA and Norovirus.

SHIELDme™ kills all known pathogens in LESS THAN 1 MINUTE and with no significant safety precautions or health warnings to worry about, it is also safe to ingest, wash with and inhale

SHIELDme™ is an incredibly versatile surface disinfectant specifically formulated for use in Care Homes, Hospitals, Hospitality, Leisure, Catering and Educational environments. **SHIELDme™** can be also used in the processing & production of food and beverages.

SHIELDme™ is in compliant with British Standards & European Norms BSEN 14476, 14204, 1276, 13704, 13697 & 1656.

Our Technology

Unlike other disinfectant

which need to be left in place for several minutes to be effective, which rarely happens when staff are under pressure, **SHIELDme™** requires only a few seconds contact time to kill bacteria and eliminate odours.

It works faster and more effectively than other cleaning and disinfecting agents, but is safe for humans and the environment.



HOW IT WORKS?

SHIELDme™ works by the power of HOCl - one of the most potent disinfectants known, and one which occurs naturally in the human body.

SHIELDme™ beat VIRUSES. Our bodies produce HOCl when fighting off bacteria and viruses. This mechanism that is effective at destroying invading microorganisms.

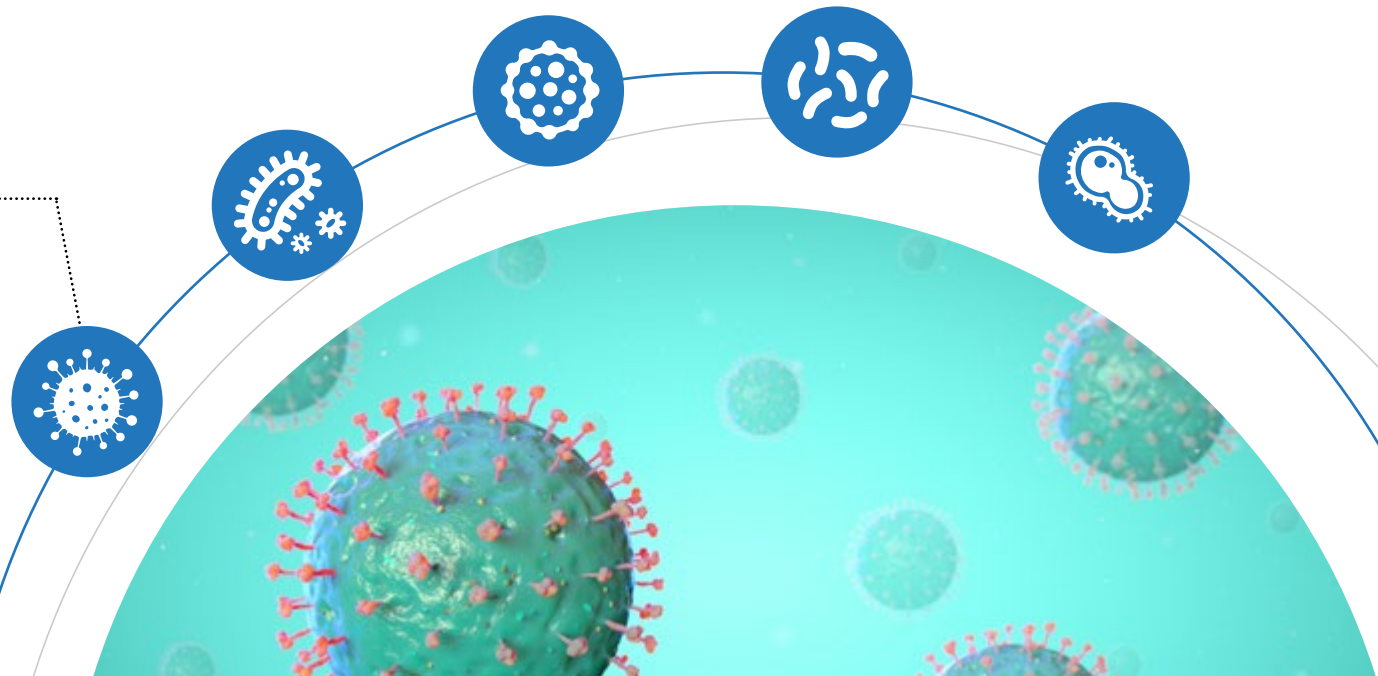
SHIELDme™ is an efficacious disinfectant that imitates our own immune system: it's this composition that makes **SHIELDme™** unique.

SHIELDme™ can also be used to increase the shelf life of foods such as fresh fish and meat. No other chemically based disinfectant can perform all of these functions.



Protect your family & beloved ones against:

- ✓ VIRUSES
- ✓ SPORES
- ✓ FUNGUS
- ✓ BACTERIA
- ✓ MYCOBACTERIA
- ✓ YEAST



SCIENCE & TECHNOLOGY BEHIND PRODUCTION PROCESS

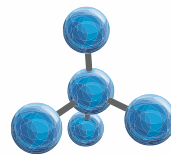


SHIELD_{me}[™] production process is grounded in continuous scientific testing and improvements:

SHIELD_{me}[™] has the power to prevent and control infections wherever risk occurs; in Hospitals, in Care Homes and in the domestic environment.

SHIELD_{me}[™] is produced fresh, onsite, on-demand, is cost-effective and is human and environmentally safe.

By utilizing our specially designed and controlled production systems, we are able to produce **SHIELD_{me}**[™] of the highest quality, litre after litre.



HYPOCHLORUS ACID

Naturally produced by human body.



OUR ACCREDITATIONS

Hypochlorous acid got international accredited approvals in general such as **ISO**, **FDA** and **EU** for use in industry, including in food and beverage processing, surface disinfecting, and medical and dental applications.

SHIELDme™ has ongoing quality control to reach maximum reliability, efficiency and safety of the product.



PRODUCT INFORMATION

CHEMICAL NAME	CAS-No	EINECS-No	Wt/Vol %	Symbols
Sodium Chloride	7647-14-5	23-598-3	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 ₃
Water	7735-18-2	231-791-2	99.788 – 99.578	H ₂ O

SHIELDme™

has ongoing quality control to reach maximum reliability, efficiency and safety of the product.

NON-IRRITANT
& CONTAINS NO
BLEACH

NON-FLAMMABLE
& NON-TOXIC



OTHER **ADVANTAGES**

1

A total complete solution for all sterilization requirements.

2

Enhanced microbial and biofilm control provides confidence that organizations are offering quality assured products and conforming to HACCP requirements.

3

Can be fogged at low concentrations to ensure cost-effective surface decontamination.

4

Easy and safe to apply, requiring no special handling procedures or safety equipment.

5

No harmful chemicals need to be stored, processed or disposed of post cleaning of the plant.

6

For water sterilisation **SHIELDme™** allows Sanitization in Place (SIP), as an inclusion of < 10% falls within the portable water standard.

The most common applications are in the following sectors:

SHIELDme™ is the leader in a new class of disinfectant and the most advanced sterilizer around the world.



Healthcare

General, clinical and dental

Education

Schools, childcares & nurseries

Hotels

Rooms, public areas, mattresses, seating, fabrics, food production

Leisure

Common areas, gyms, swimming pools

Restaurants

Kitchen, storage areas, dining areas & toilet facilities

Malls

Common areas, toilets & elevators

Public Transport

Metro, bus, taxi

Household

Furniture, kitchen & toilets

Agriculture & Poultry

Food and grain storage, animal & bird farms, fruit and vegetable production, packing and preparation

Worship Areas



SOLUTIONS AND SYSTEMS

Sanitizing Tunnels

**Automatic Hand
Disinfecting Dispensers**

Electric Cold Foggers



SANITIZING TUNNELS

SHIELDme™ Sanitizing Tunnels are disinfecting passageways for human use, which sprays the person passing inside with **SHIELDme™** high level disinfectant and sanitizer, killing 99.999% of viruses, bacteria, mold, fungi, and spores. Sanitizing Tunnels can be used before the entry of a building, to prevent any infected people to enter the building. They can differ in shape and dimensions, depending on client requirements.

AIRPORT SANITIZING TUNNELS

SHIELDme™ Aircraft Disinfecting Tunnel are disinfecting passage ways for human use, which sprays the person passing inside with **SHIELDme™** high level disinfectant and sanitizer, killing 99.999% of viruses, bacteria, mold, fungi, and spores. 100% Natural, no side-effects on all human beings, we can convert any aircraft tunnel to **SHIELDme™** Aircraft Disinfecting Tunnel. Can be used before the entry of an airport after landing.



AUTOMATIC HAND DISINFECTING DISPENSERS

SHIELDme™ Automatic Hand Disinfecting Dispenser uses Shieldme the 100% natural high-level disinfectant and sanitiser which is oxidizer water with Hypochlorous acid 150-200 PPM, which kills 99.999% of viruses, bacteria, mold, fungi and spores.

APPLICATIONS:

SHIELDme™ Automatic Hand Disinfecting Dispenser can be used widely inside all building types, and wherever large number of people pass by constantly inside the building, such as entrance, corridors, washrooms, or any other location.



EASY TO INSTALL/ WORKS WITHOUT HAND TOUCHING



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
Unit 3, Endeavour Drive, Basildon, Essex, SS14 3WX,
United Kingdom
Telephone : +44 (0) 1708 377731
Fax : +44 (0) 1708 347637
Web-site : 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 ₃
Water	7732-18-5	231-791-2	99.788 – 99.578	H ₂ 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

LD₅₀ (oral, rat) > 10000 mg/kg < 40000 mg/kg

LD₅₀ (dermal, rat) > 10000 mg/kg

Inhalation LD₅₀ – 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.

SARS-CoV-2/COVID-19 Virus Testing Unaudited Interim Report

Testing Facility: Microbac Laboratories, Inc.
105 Carpenter Drive
Sterling, VA 20164

Sponsor: Shield Medica LTD
Essex
UK

Protocol No.: SHIELD.1.04.30.20

Test Product: Shieldme, Lot No. FM/100/4

Test Product Dilution: Not applicable (ready-to-use)

Study Director: Cameron Wilde

Method: EPA OCSPP 810.200 and 810.2200 using ASTM E1053-11

Test Dates: 05/12/20 – 05/19/20

All Controls Valid (Y/N): Y


Results/Conclusion:

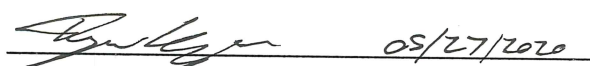
The product Shieldme, Lot No. FM/100/4, when tested according to ASTM E1053-11, passed with a ≥ 4.00 Log₁₀ reduction, equal to a 99.99% reduction, at a contact time of 30 seconds when SARS-CoV-2 (COVID-19 Virus), containing 5.0% serum, was tested at 20°C with a relative humidity of 30%. All controls met the required criteria and there were no deviations to the study protocol. Therefore, this study is considered valid.

The product listed has been shown to be effective in inactivating/killing SARS-CoV-2 (COVID-19) strain which causes COVID illnesses.

A complete final report detailing the study described above will be prepared and provided at a later date.

Signatures:


Study Director / Date


Reviewed by / Date



Certificate

*This is to Certify that the Product
DISINFECTANT AND SANITIZER
Manufactured By*



Shield Medica
Professional Medical Solutions

SHIELD MEDICA LTD

Unit 3, Endeavour Drive, Basildon, SS14 3WF, United Kingdom.

**has been independently assessed and is compliant
with the requirements of**

Essential safety Requirements of Directive 93/42/EEC as amended on Medical device.
The product is classified as class I (Non sterile & Non measurable).The device has been reviewed
and found to comply with the requirements and the relevant harmonized European standards.

EN ISO 14971:2012, ISO 9001:2015, ISO 13485:2016, EN 15223-1:2012, BS EN 1041:2008,
EN ISO 8113-2:2011, EN 61010-2-101:2002, EN 61326-2-2:2013

:: Certificate No :: GB11109U

Date of initial registration	31 March 2020
Date of this certificate	31 March 2020
Recertification Due / Certificate expiry	30 March 2023



This Certificate is property of Certiva Limited Certifications and remains valid
subject to satisfactory surveillance audits.

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