

Material Safety Data Sheet

Advanced Disinfectant Sanitizer

The best alternative to Alcohol-based Sanitizers

- | | | | |
|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| • 100% Natural | ☒ | • Eco-friendly | ☒ |
| • Alcohol-free | ☒ | • Non-toxic | ☒ |
| • Baby & Infants friendly | ☒ | • Kills 99.9% of Microbes & Viruses | ☒ |

HMIS Hazard rating

Health = 0

Flammability = 0

Physical hazard = 0

Reactivity = 0

Section I – Identification

Product Name:	Steriguard Advanced Disinfectant Sanitizer
Product Description:	Electro-chemically activated solution
Manufacturer:	L'Origine FZC
Address:	P5 - 05/03, Saif Zone, Sharjah P.O. Box – 120732 United Arab Emirates
Phone No & Fax No:	+971 6 557 5543 & +971 6 557 5542

Section 2 – Composition

Ingredients	CAS No	% weight
Electrolyzed Water	7732-18-5	>= 99%
Hypochlorous Acid	7790-92-3	=<0.05% (500 ppm)

Section 3 – Physical/chemical characteristics

Physical State	: Liquid solution
Appearance	: Clear Colorless
Odor	: Very less Slight Hypochlorous odor
pH	: 5.5 - 7.5
Boiling Point	: 100 °C
Freezing/Melting Point	: 0 °C
Solubility	: Fully Soluble in Water

Section 4 – Stability & Reactivity

Stability	: Stable under normal ambient conditions of temperature and pressure.
Unstable conditions to avoid	: High temperatures, incompatible packing materials, avoid accidental or uncontrolled contact of product with acids and hydrogen peroxide. Do not use or mix with other household chemicals.

Section 5 – Hazard identification

HAZARDS DISCLOSURE: NOT HAZARDOUS to Humans and Animals

The Hypochlorous acid is naturally produced by the body immune system to fight against invading pathogens, it is **100% safe and non-toxic for humans** while being highly efficient and offering a very quick anti-microbial action, less than 30 seconds contact needed.

Potential Health Effects

Eye	: No Hazards expected under normal use.
Skin	: No Hazards expected under normal use.
Ingestion	: No Hazards expected under normal use.
Inhalation	: No Hazards expected under normal conditions at room temperature. Vapors and/or aerosols which may be formed at abnormally elevated temperatures may be irritating to eyes and respiratory tract.

Carcinogenicity Information : No Known cancer Hazards.

Cytogenecity : Not Known

Section 6 – First aid measures

Eye : Although this product is not known to cause eye irritation, if irritation occurs, flush eyes with water, seek medical advice if irritation develops or persists.

Skin : Although this product is not known to cause skin irritation, if irritation occurs, wash affected area with water, seek medical advice if irritation develops or persists.

Ingestion : Although this product is not known to cause ingestion problems, if ingested, drink plenty of drinking water. Seek medical advice if gastric distress develops.

Notes to Physician: Treat symptomatically and supportively.

Inhalation : Although this product is not known to cause respiratory problems, if breathing problems develop, move away from product and into fresh air, seek medical advice if breathing difficult develops or persists.

Carcinogenicity Information : No Known cancer Hazards.

Cytogenecity : Not Known

Section 7 – Toxicological information

Eye : Non-toxic in normal use

Skin : Non-toxic in normal use

Ingestion : Non-toxic in normal use

Inhalation : Non-toxic in normal use

Mutagenicity : Non-toxic in normal use

Carcinogenicity Information : Not available

Cytogenecity : Not available

Section 8 – Control measures

- Eye protection** : Although the product is safe under normal use, Good manufacturing and Laboratory practices recommend the use of protective goggles when handling the product in larger amount.
- Protective clothing** : Although the product is safe under normal use, Good manufacturing and Laboratory practices recommend the use of protective gloves when handling the product in larger amount.
- Ventilation** : Open air or good room ventilation is normally adequate for the safe use of the Product. Avoid breathing any vapors or fumes resulting from acid ventilation.
- Respiratory Protection** : Use the Facial respirators when the product is handling in large amount and where adequate ventilation is not available. Avoid breathing any vapors or fumes resulting from acid ventilation.

Section 9 – Fire & explosion hazard data

- General Information** : **The product is non-flammable.**
As in any fire occurs, wear a self-contained, breathing apparatus in pressure-demand, and full protective gear. Use water spray to keep fire-exposed containers cool. Contact with metals may evolve flammable hydrogen gas.
- Extinguishing Media** : Use water spray to cool fire-exposed containers.
Use agent most appropriate to extinguish surrounding fire.
- Flash Point** : Not applicable
- Auto ignition temperature** : Not applicable.
- Explosion Limits** : Lower: Not available.
Upper: Not available.

Section 10 – Handling, Storage and Accidental release

Handling	: No special precautions necessary or use with adequate ventilation
Storage	Store in original sealed container, at room temperature, away from direct sunlight and heat. Best to use within 30 days after opening. Do not allow to freeze. Recommended storage temperature: Store at room temperature 20-25°C
Steps to be taken in case Material is released or spilled	: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Flush spill area with copious amount of water. Avoid contact with acid and/or hydrogen peroxide

Section 11 – Waste Disposal

Disposal of the waste must be in accordance with all applicable Federal, State/Provincial, and Local regulations. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction.

Section 12 – Ecological information

This product presents no hazard to environment.

Section 13 – Transportation information

D.O.T. shipping name	: Water
Technical shipping name	: Oxidized Water
D.O.T. Hazard class	: None
UN Number	: None
D.O.T. label	: None
Package class	: 70, PG III
IATA hazardous information	: None

Section 14 – Regulatory information

It is not classified as dangerous goods according to ECHA – European chemical agency.

Section 15 – Other information

The MSDS is intended to provide a brief of summary of our knowledge and guidance regarding the use of this material.

Section 16 – Disclaimer

All information, recommendations & suggestions appearing herein concerning our product are based upon tests & data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, & suitability for his own use.

Of the product described herein, since the actual use by others is beyond our control, no guarantee, express or implied, or the safety and toxicity of the product. Nor does L'Origine (FZC) assume any liability arising out of the use, by others, of the product referred to herein.

The information herein is not to be construed as absolutely complete since additional information is necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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