



**MULTIWAY CLEAN**  
NEW GENERATION NATURAL DISINFECTANT

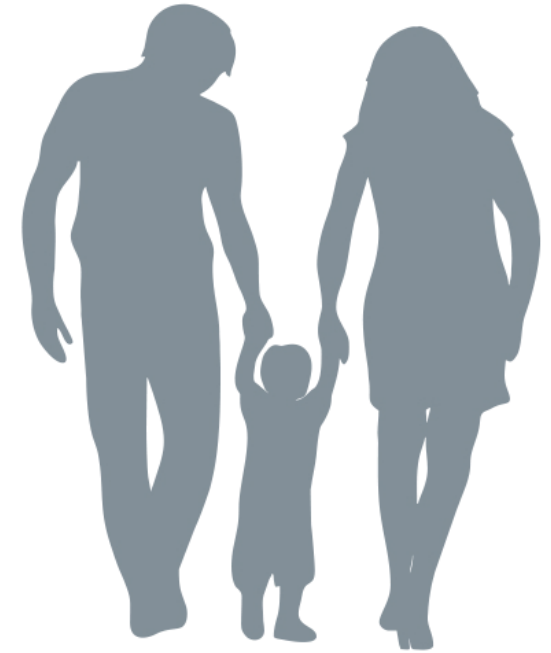
**INTRODUCTION CATALOGUE**



**MULTIWAY CLEAN**  
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# ANTISEPTIC SPRAY

**100%** WATER BASED ENVIRONMENT AND



It destroys the Viruses, Bacteria and  
Fungus in Seconds



**FULL PROTECTION  
AND CARE**

**%0**

It Does Not Contain Chemicals,  
Alcohol, Aldehyde, Phenol and  
Ammonium.

[www.besnakiya.com.tr](http://www.besnakiya.com.tr)



**MULTIWAY CLEAN**  
NEW GENERATION NATURAL DISINFECTANT

**100% Safe Environmentally Friendly  
The Most Effective New Generation  
Disinfectant of the Nature**

It has been declared by USDA that there is no problem in using "Neutral Electrolysed Water" in meat animal, poultry and egg production.

Electrolyzed Water was published on list of Pesticides by USDA on " 7120.1 Amend 11 dated 4/11 /2007 ".

FDA does not stand up against the usage of "Electrolyzed Water". According to 99/45/EC Directive; concentrated form of Neutral Electrolyzed Water is not within the scope of "Hazardous Substances". Normal COSHH\* rules apply.

The fact that "Neutral Electrolyzed Water" may be in direct contact with the food substance in food preparation has been approved with "21 CFR 173.315".

"Neutral Electrolyzed Water" may be used in applications according to " 21 CFR 176.170 and 21 CFR 177.2800".

"Neutral Electrolyzed Water" has been approved to be hygienic with 21 CFR 178.1010.

With the approval of EPA (40 CFR 180.1054); raw foods can be washed with the "Neutral electrolyzed water".

EPA approval 85215-PA-00.



# AREAS OF APPLICATION

## OUTSIDE OF WOUND APPLICATIONS

Nasal and Throat Infections  
Skin rashes, allergy areas  
Skin irritations that develop with stools or urine contacts  
Hair root irritations  
Eye lid infection, bacterial or viral eye infections  
Ear irritation and infections  
Genital area cleaning, vaginal discharge  
Nose and Throat infections  
Gingiva diseases  
Ear tag applications, tattoo applications  
Neonatal diarrhea, verruca that occurs on breast  
Hair transplantation applications, infections



## WOUND CARE APPLICATIONS

Acute and chronic wounds  
Painful and afflictive wounds  
Diabetic foot ulcer  
Partial and full skin wounds, post-operational wounds  
Graft meshes, punch skin graphs and biopsy  
Burns (1st degree 2nd degree), skin ulcers (I-IV phase)  
Small tears and cuts  
Moisturizing the wound and decreasing odours  
Intraoral cankers and ulcers, cold sore on the lip, abscess, acne  
Wounds that arise during gynecological examination  
Wounds that arise before and after birth

# WHAT IS MULTIWAY CLEAN?

## NEUTRAL ELECTROLYZED WATER OR HYPOCHLOROUS ACID (HOCL)

Hypochlorous Acid (HOCL) or Neutral Electrolyzed Water or Electrolyzed Oxidized Water or Electrochemical Activated Water; which is also named as the Super Oxidized Water; which is one of the most important working principles of the nature, known in the literature as the most effective method for all mammals and the human body to protect and heal themselves, generated by white blood cells for defense purposes and by natural means, contained in the category of weak acids (such as lemon, orange) that pose no harm to humans and the environment, able to perform multidirectional and multieffective disinfection; has been produced according to long term consumer usage for hygiene and disinfection purposes thanks to the newest technology of the world, licensed by Turkish Ministry of Health, effectiveness of which has been proven for many times with many official, scientific clinical studies particularly in America, Russia, Japan and approved by competent authorities, has currently begun to be used by these countries and many other countries and which we have just brought to our country; is the strongest and most effective new generation disinfectant of the nature.

### Internationally Accepted Approvals of the Hypochlorous Acid

- ★ EPA: Environmental Protection Agency
- ★ FDA: Food and Drug Administration
- ★ USDA: United States Department of Agriculture



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FDA has approved the usage of Electrolyzed Water. According to 99/45/EC Directive; concentrated form of Neutral Electrolyzed Water is NOT within the scope of "Hazardous Substances" Normal COSHH\* rules apply.

The fact that "Neutral Electrolyzed Water" may be in direct contact with the food substance in food preparation has been approved with "21 CFR 173.315" decision.

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"Neutral Electrolyzed Water" has been approved to be hygienic with 21 CFR 178.1010.

With the approval of EPA (40 CFR 180.1054); raw foods can be washed with the "Neutral electrolyzed water".

EPA Approval, 8521S-PA-00.

# WHAT IS HYPOCHLOROUS



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- ✔ While the cells in our body, which are called Neutrophils fight against microorganisms, they produce Hypochlorous Acid, which is a highly effective Antimicrobial substance. This substance constitutes almost 80% of the defense mechanism.
- ✔ It has been found that when the body feels any microbial attack; 1 neutrophil can generate 0,1 Um hypochlorous acid and this amount kills 15 million colibacillus in 1 minute.
- ✔ The Hypochlorous Acid; in other words the Active Chlorine, which is the environmentally suitable disinfectant that is compatible with the new production concept of our century is a biocide with a broad spectrum. It is strong, safe and non-toxic. It destroys almost all microorganisms such as bacteria, virus, fungus in seconds.
- ✔ The Hypochlorous Acid (HOCL) solution demonstrates its Disinfection Effect by disrupting the cell membrane structure of microorganisms, thanks to its high ORP ( Oxidation Reduction Potential) value. Due to this feature; the Hypochlorous Acid is a quite effective and broad spectrum disinfectant material. It performs an effective Disinfection and Sterilization process on microorganisms such as the Bacteria, Viruses and Fungus.
- ✔ The Hypochlorous Acid (HOCL) performs a Disinfection process eighty (80) times more effective than the Sodium Hypochlorite (NaClO); which is a high level disinfectant that has been used for more than hundred years and maintained its importance until today.
- ✔ Hypochlorous Acid (HOCL) has a remarkable advantage over both the chlorine-containing disinfectants in its class and disinfectants in other classes.
- ✔ Hypochlorous Acid (HOCL), which is also called as Neutral Anolyte, has been approved to be used for disinfection in many fields because it is 100% neutral and non-toxic.
- ✔ It is obtained with two types of Active Water solution called Multiway Clean Neutral Anolyte and Alkali Catholyte. Neutral Anolyte is a natural disinfectant with proven microbiological effect, and cathogen is a cleaning solution with alkali character. Neutral Anolyte is non-toxic, it does not have side and permanent effects and is 100% biodegradable.

## ABOUT MULTIWAY CLEAN BACTERIA, VIRUS, FUNGUS, MOULD



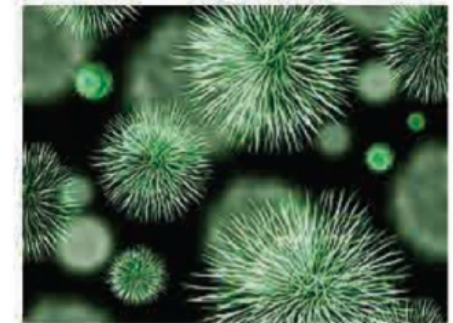
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### SCIENTIFIC STUDIES

#### DETAILED CLINICAL STUDIES

It Is An Environmentally Friendly Water-Based Disinfectant That Destroys the Bacteria, Viruses and Fungus in Seconds in Contact Environments. It Does Not Contain Alcohol, Aldehyde, Phenol and Ammonium. It always provides superiority when compared to similar products. It Is Not Harmful For Human Health, It Is Eco-Friendly. It Provides Quick and Effective Disinfection. Check the following comparison table.

Solution Description	Bacteria	Viruses	Bacterial Spores	Fungi	Biofilm	Resistance of micro-organisms	Real-Time Applications In-process
<b>MULTIWAY CLEAN</b>	Yes	Yes	Yes	Yes	Yes	No	Yes
Alcohol	Yes	No	No	No	No	Yes	No
Quaternary Ammonium Compounds	Yes	No	No	Yes	No	Yes	No
Sodium Hydrochlorite	Yes	Yes	Yes	Yes	Yes	Yes	No

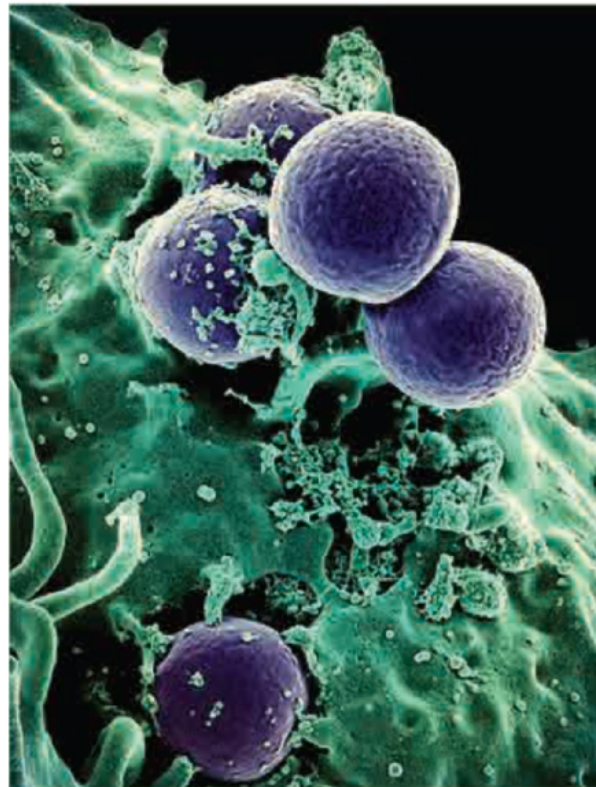


# COMPARISON WITH CHEMICALS



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Comparison with chemicals is as follows according to EPA Standards.



Solution	EPA Standards				Microbial Effect					Features			Safety for materials			
	Disinfection	Sterilization	Detergent	Accuracy of exp. date	Pseudomonas	Lipophilic	Hydrophilic	TB Bacteria	Endospores	pH	Active in presence of organic substance	Safety for human and live animals	Endoscope	Electroplated materials	Rubber and Plastic	Toxic
Phenolic	Yes	No	No	No	Yes	Yes	No	Yes	No	5,5	No	No	No	Yes	No	Yes
Alcohol-based	No	No	No	No	Yes	Yes	No	Yes	No	7,0	No	Yes	No	Yes	No	No
Iodine-based	Yes	No	No	No	Yes	Yes	Yes	Yes	No	3,5	No	No	No	No	No	Yes
Cloramine, Hypochlorite	No	No	No	No	Yes	Yes	Yes	Yes	No	11,0	No	No	No	No	Yes	Yes
Acetic Acid	No	No	No	No	No	No	No	No	No	3,0	No	No	No	Yes	Yes	Yes
Aqueous Formaldehyde	Yes	No	No	No	Yes	Yes	Yes	Yes	No	3,5	Yes	No	No	Yes	Yes	Yes
Sidex (Alkaline Glutoraldehyde)	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	6,5	Yes	No	Yes	Yes	Yes	Yes
<b>MULTIWAY CLEAN</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	5,5	Yes	Yes	Yes	Yes	Yes	No







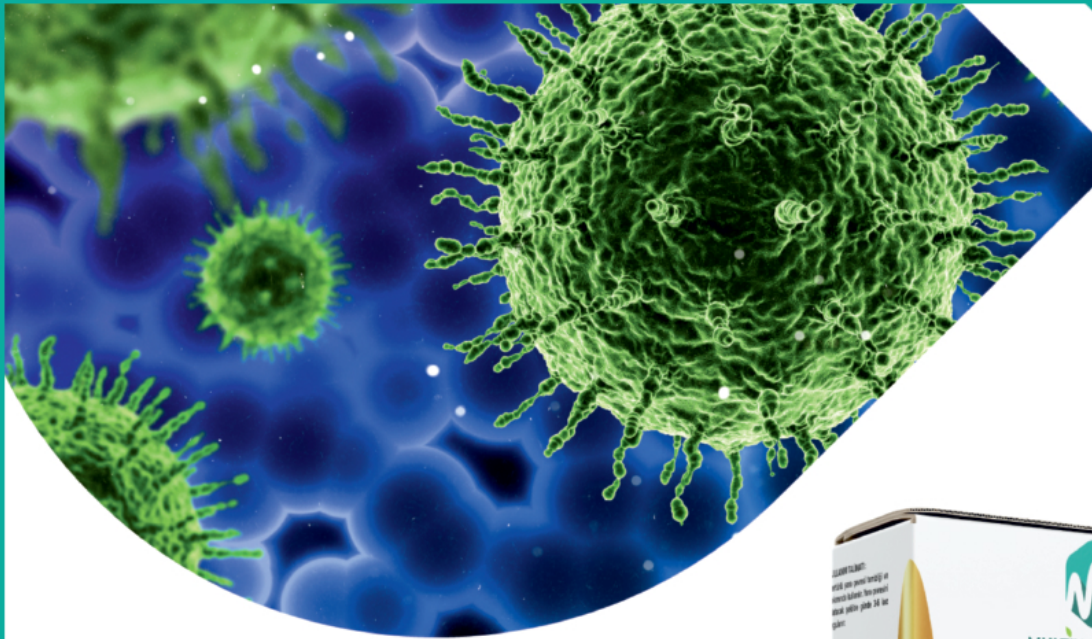
# ORAL HEALTH

Mouth Sores, Canker Treatment, Mouth Ulcers, Oral Cleaning and Hygiene, Repeating Tissue Disorders That Occur In The Oral Cavity, Prosthesis Cleaning, Wounds, Gingiva Diseases, Cold Sores on Lips, Abscess, Acnes.

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## PROTECT YOURSELF FROM HOSPITAL MICROBES!

It has been found that hospital infections are more resistant than other infections and especially when infection occurs in intensive care units, the mortality rate reaches 70 percent. The easiest and most healthy way of protecting yourself or your hospital is to use HOCL.

It destroys the bacteria resistant to antibiotics.

These bacteria generally pose a risk for those patients who stay in the hospital, have had operation, stay in the intensive care or receive treatment that weaken the immunity (body resistance) such as cancer chemotherapy or radiotherapy.



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## FUNGUS AND BAD ODOURS

Foot and nail fungus is a very common skin problem and is an infectious disease found in many people. It completely destroys foot and nail fungus in continuous and regular use. It finishes skin rashes, scall formation, reddening and dehydration on foot.

It finishes the nail thickening and color change caused by the Nail Fungus and restores them to their healthy state.

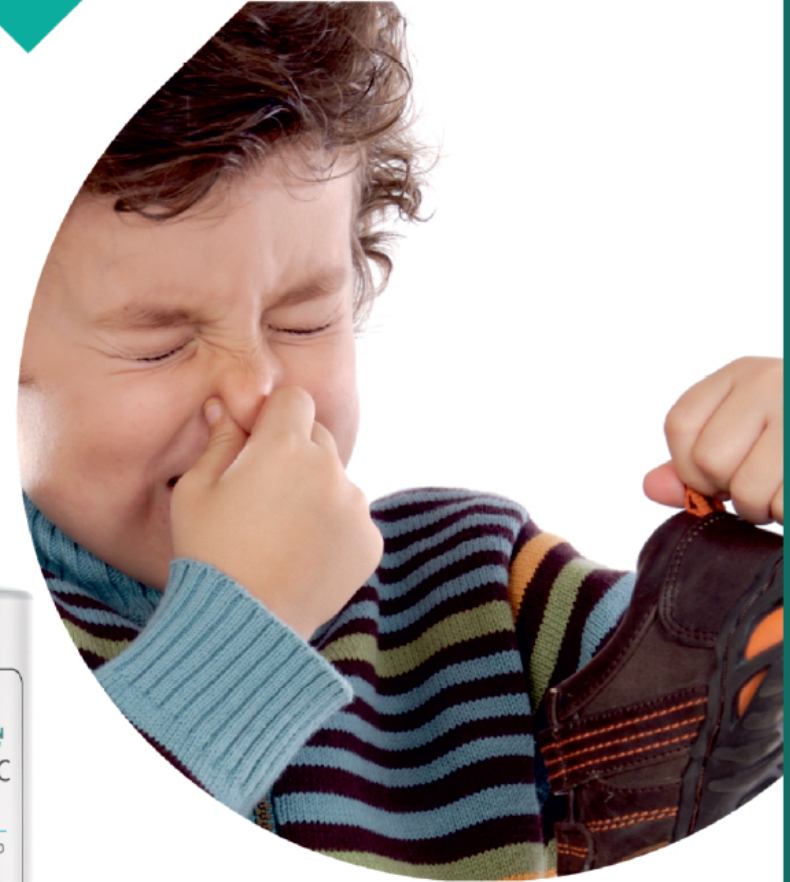
It eliminates the foot odour, prevents overwhelming itching, reduces allergic reactions as well as odour and irritation.

**FULL PROTECTION  
AND CARE**



**%0** Chemical. It Does Not Contain Alcohol, Aldehyde, Phenol and Ammonium.

**100%** WATER BASED ENVIRONMENT AND NATURE FRIENDLY



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## UPPER RESPIRATORY TRACT INFECTIONS - EAR NOSE AND THROAT (ENT)

IT PROTECTS THE BODY AGAINST UPPER RESPIRATORY TRACT DISEASES SUCH AS COMMON COLD, FLU, THE SNIFFLES, Nose and Throat Infections It Ensures Elimination of the Viruses and Bacteria That Cause Diseases By Gargling and Accelerates Healing

**FULL PROTECTION AND CARE**



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## FOR DISINFECTING SCHOOLS, NURSERIES AND OFFICES

Hypochlorous Acid is an ideal disinfectant for all surfaces, the environment and the personnel in disinfecting schools, offices, preschools and nurseries, settlement areas, open and closed playgrounds and removing bad odours. It is a product, the power of which has been proven against all known bacteria, viruses, fungus and spores. It has no toxic effect and does not generate any toxic by-product, leaves no residues. When it is used on all surfaces by keeping for 5 minutes, it destroys all bacteria and viruses in seconds.

Disinfection of all hard or soft surfaces and areas which are hardest to access

Disinfection of the toilets in public areas, sitting places, surfaces, tables and chairs, ventilation systems; elimination of spores and moulds and removal of bad odours





## WOUND CARE

- Acute and chronic wounds
- Painful and afflictive wounds
- Partial and full skin wounds, post-operational wounds, diabetic foot ulcers
- Graft meshes, punch skin graphs and biopsy
- Burns (1st degree 2nd degree), skin ulcers (I-IV. phase)
- Small tears and cuts
- Moisturizing the wound and decreasing odours
- Skin rashes, allergy areas
- Skin irritations that develop with stools or urine contacts
- Hair root irritations
- Eye lid infection, bacterial or viral eye infections
- Ear irritation and infections
- Genital area cleaning, vaginal discharge
- Ear tag applications, tattoo applications
- Neonatal diarrhea, verruca that occur on the breast, hair transplantation applications, infections





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## MULTIWAY CLEAN ELECTRONIC SPRAYING APPARATUS

With our electronic spraying device that adapts to all drums, we offer a practical and mobile solution by facilitating for you to disinfect the environments easily and effectively.



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AND CARE**



It is licensed in 5 types of categories of T.R Ministry of Health Biocidal Public Health including air space and potable water. Ministry of Health License Date and Number: 14.11.20142014 / 131



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**MULTIWAY CLEAN**  
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**T.C. YEDİTEPE  
ÜNİVERSİTESİ**

**APPROVED BY YEDİTEPE UNIVERSITY**



**APPROVED BY EGE UNIVERSITY IZMIR  
ARGEFAR**



**Multiway-Clean**



**multiwaycleaning**



**FDA**



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”  
**1 LITER IN  
EVERY  
HOUSE  
PROJECT  
100% NATURAL**  
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