

Force of Nature Electrolyzed Water Safety Data Sheet

Section 1: Identification

Product Identifier: Force of Nature Electrolyzed Water

Company Healthier Cleaning Innovations, LLC
7 Grassy Lane
Westford, MA 01886

Telephone: 888-985-8099

Website: www.forceofnatureclean.com

Emergency Phone Number: 888-895-8099

Relevant Use: Cleaning and Disinfection

EPA Registration No. 93040-1

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

Section 2: Hazard(s) identification

Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label Elements

Hazard pictograms: not applicable

Signal word: no signal word

Hazard statements: no known significant effects or critical hazards.

Precautionary Statements

Emergency Overview: This product contains no substances which at their given concentration are considered to be hazardous to health.

Precautionary Statements – Prevention: None

Precautionary Statements – Response: None

Precautionary Statements – Storage: Store in original Force of Nature bottle out of direct sunlight.

Precautionary Statements – Disposal: None

Hazards not otherwise classified (HNOC) – None known.

Unknown Toxicity - No information available

Interactions with other Chemicals

None known.

Section 3: Composition / Information on ingredients

Substance/Mixture

Name of Substance	CAS No	Weight %*
Hypochlorous Acid	7790-92-3	<0.05
Sodium Chloride	7647-14-5	<0.5%

* Exact composition is a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-aid measures

Description of first-aid measures

First-aid measures general	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Never give anything by mouth to an unconscious individual.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Seek medical advice if gastric distress develops.

First-aid measures after skin contact	Although this product is not known to cause skin irritation, seek medical advice if irritation develops or persists.
First-aid measures after inhalation	Although this product is not known to cause respiratory problems, if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after eye contact	Although this product is not known to cause eye irritation, seek medical assistance if irritation develops or persists.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after ingestion	No known significant effects or critical hazards.
Symptoms/injuries after skin contact	No known significant effects or critical hazards.
Symptoms/injuries after inhalation	No known significant effects or critical hazards.
Symptoms/injuries after eye contact	No known significant effects or critical hazards.

Indication of needed immediate medical care and special treatment

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5: Fire-fighting measures

Extinguishing media

Product is not flammable

Special hazards arising from the substance or mixture

In a fire or heated, pressure build up will occur and the container may burst.

Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Environmental precautions

Prevent spills from entering storm sewers or drains and contact with soil.

Methods and materials for containment and cleaning up

Vacuum or mop up for possible use or reclaim. Common industrial absorbents may be used. Dispose as non-hazardous waste.

Section 7: Handling and storage

Precautions for safe handling

Put on appropriate protective equipment (See Section 8)

Conditions for safe storage, including any incompatibilities

Standard safe storage conditions are appropriate: avoid package damage and extremes in temperature: below 32° and above 120°F. Keep package closed tightly and out of direct sunlight. Do not store in unlabeled containers.

Section 8: Exposure controls / personal protection

Control

Occupational Exposure Limits

Not applicable

Exposure controls

Appropriate engineering controls - General ventilation

Environmental exposure controls - Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Personal protection measures

Respiratory protection - none required

Hand protection – Butyl rubber (or equivalent) gloves in case of extended exposure

Eye protection – Safety glasses with side shields if splashing is anticipated

Skin and body protection - Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures - Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Physical State	Liquid
Appearance	Clear colorless
Explosive Limits	None
Odor	Slight chlorine swimming pool
Odor threshold	0.2 ppm
Vapor Pressure	Not available
Relative Vapor Density	Not available
pH	5.5 – 7.0
Relative Density	1.0
Melting Point / Freezing Point	Not available
Solubility	Soluble in water
Boiling point	Not available
Flash point	Does not flash
Evaporation rate	Not available
Flammability	Not flammable
Partition coefficient	Not available
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Like water

Section 10: Stability and reactivity

Reactivity

See: Conditions to avoid

Chemical stability

No decomposition, if used according to specifications. The product is stable.

Conditions to avoid

Avoid excessive heat (> 120 °F) and direct sunlight.

Incompatible materials

Do not use with any other chemical products.

Hazardous decomposition products

Under normal usage conditions, hazardous decomposition products are not formed. Also see Section 5.

Section 11: Toxicological information

Information on Toxicological Effects

Acute Toxicity

Likely/possible routes of exposure: Ingestion, skin, and eye contact

Ingredient	Test	Species	Exposure
Sodium Chloride	LD50 oral	Rat	3000 mg/kg
Sodium Chloride	LD50 dermal	Rabbit	10000 mg/kg

Based on available data, and concentration of ingredients in Force of Nature Electrolyzed Water, the product does not meet classification criteria.

Irritation / Corrosion

Ingredient	Result	Species	Exposure
Sodium Chloride	Eyes - mod irritant	Rabbit	24 hr – 100 mg
Sodium Chloride	Skin - mild irritant	Rabbit	24 hr – 500 mg

Skin: Based on available data, and concentration of ingredients in Force of Nature Electrolyzed Water, the product does not meet classification criteria.

Eyes: Based on available data, and concentration of ingredients in Force of Nature Electrolyzed Water, the product does not meet classification criteria.

Respiratory: Based on available data, and concentration of ingredients in Force of Nature Electrolyzed Water, the product does not meet classification criteria.

Sensitization

Force of Nature Electrolyzed Water is not expected to be sensitizing.

Mutagenicity

Not available

Carcinogenicity

No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen

Reproductive Effects

Not available

Teratogenic Effects

Not available

Potential Acute Health Effects

Eye Contact	No known effects or critical hazards
Inhalation	No known effects or critical hazards
Skin Contact	No known effects or critical hazards
Ingestion	No known effects or critical hazards

Section 12: Ecological information

Ecotoxicity

None known

Persistence and degradability

Force of Nature Electrolyzed Water is inherently biodegradable. It biodegrades readily under aerobic and anaerobic conditions and is not classed as hazardous to the aquatic environment.

Bioaccumulation potential

There is no evidence to suggest bioaccumulation will occur.

Mobility in soil

No additional information available

Other adverse effects

No know ecological damage caused by Force of Nature Electrolyzed Water would impact global warming.

Section 13: Disposal considerations

Force of Nature Electrolyzed Water is not an unlisted hazardous waste. Typical anticipated discharge will be to a sanitary sewer. Dispose in accordance with local, state and federal regulations.

Section 14: Transport information

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

This information is not intended to convey all specific regulatory or operational requirements or information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

US Federal Regulations

TSCA, EINECS/ELINCS, AICS, and DSL - All components are listed.
 Superfund Amendment and Reauthorization Act (SARA TITLE III) (EPCRA Section 302) - No components are listed
 US SARA EPCRA Sections 311, 312, or 313 - No components are listed

US State Regulations

California Proposition 65 – Force of Nature Electrolyzed Water does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

EPA Pesticide Registration Number: 93040-1

Section 16: Other

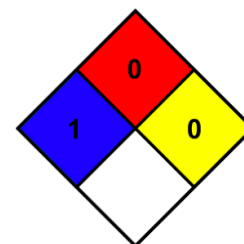
SDS Prepared: November 11, 2020

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.
 Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

NFPA National Fire Protection Association (USA)

NFPA Health Hazard	1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA Fire Hazard	0 - Materials that will not burn
NFPA Reactivity	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



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HMIS Hazardous Material Information System (USA)

Health	1
Flammability	0
Physical hazards	0
Personal protection	A

Note: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

Disclaimer

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculation are based on information furnished by the manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in section 1. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. HCI Cleaning Products, LLC Shall not be held liable for any damage resulting from handling or from contact with the above product.