

SAFETY DATA SHEET

Revision Date 29-Sep-2025

Version 1

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Hypochlorous Solution

Other means of identification

Product Code HOCl-200

Common Name/Trade Name Hypochlorous Acid, Electrolyzed Water

Chemical Name Hypochlorous Acid

Chemical Formula HOCl

CAS# 7790-92-3

Recommended use of the chemical and restrictions on use

Recommended Use Cleaner, Deodorizer, Disinfectant

Uses advised against Do not mix with other chemicals, do not ingest

Details of the supplier of the safety data sheet

Manufacturer Address

Sani-TEST LLC
PO Box 361
Perkasie, PA 18977

Emergency telephone number

Company Phone Number 800-732-7103

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

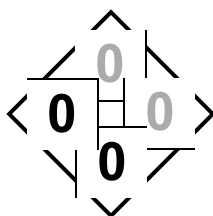
OSHA Regulatory Status

This chemical is not identified as hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Emergency Overview

This product contains no substances which, at their given concentration, are considered hazardous to health.



Appearance Clear, colorless solution

Physical state Liquid

Odor Slight hypochlorous

Precautionary Statements - Prevention

Do not mix with other chemicals

Handle in accordance with standard industrial hygiene practices

Precautionary Statements - Response

IF IN EYES: Rinse with clean water as precaution

IF ON SKIN: Rinse with water if desired

IF SWALLOWED: Safe if accidentally ingested in small amounts, drink water if concerned

IF INHALED: Move to fresh air

Precautionary Statements - Storage

Store in cool, dry place away from direct sunlight. Keep containers tightly closed. Do not allow to freeze.

Precautionary Statements - Disposal

May be disposed in municipal drain or on plants. Follow local regulations for container disposal.

Hazards not otherwise classified (HNOC)

0% of the mixture consists of ingredients with unknown acute toxicity

Other Information

- Safe to discharge anywhere it is safe to discharge water into the environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	weight-%
Water	7732-18-5	>99.69
Sodium Chloride	7647-14-5	<0.3
Ethanoic Acid (Acetic Acid)	64-19-7	<0.2
Hypochlorous Acid	7790-92-3	<0.0134

*The product contains no substances which at their given concentration are hazardous to health.

4. FIRST AID MEASURES

First aid measures

General advice	Have the product container, label, or SDS with you when calling a poison control center or doctor or going for treatment.
Eye contact	Although this product is not known to cause eye irritation, rinse with clean water as precaution. Seek medical advice if irritation develops or persists.
Skin contact	This product is not known to cause skin irritation when product is dried or allowed to dry on skin. Prolonged exposure to wetness from the product may irritate sensitive skin. In case of wetness from product on skin for more than 1 hour, remove clothing that is causing prolonged wetness on skin, wash affected skin with water, and then dry affected area. Seek medical advice if irritation develops or persists.
Inhalation	Although this product is not known to cause respiratory problems, move to fresh air. Seek medical advice if irritation to the nose, throat, or lungs develops or persists.
Ingestion	Although this product is not known to cause ingestion problems, if ingested, drink plenty of tap water. Seek medical advice if gastric irritation develops or persists.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Physician should treat patient symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Product is not flammable. If container catches fire, use fire extinguisher to extinguish.

Unsuitable extinguishing media

Product is not flammable. If container catches fire, water may be less efficient than using a fire extinguisher to extinguish.

Specific hazards arising from the chemical

Product is not flammable or explosive. Product is not sensitive to mechanical impact, nor is it sensitive to static discharge.

Hazardous combustion products

None.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions None required.

For emergency responders No special precautions required.

Environmental precautions

Environmental precautions None. Safe to discharge anywhere it is safe to discharge water into the environment.

Methods and material for containment and cleaning up

Methods for containment None required.

Methods for cleaning up If spilled, clean up spilled liquid. Mop or absorb with inert materials such as cloths or paper towels. Cleaning materials may be disposed of in regular trash disposal. Recommend to finish cleaning with water.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Lift and handle in accordance with standard industrial hygiene and safety practices. Do not mix with other chemicals.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed. Store at room temperature, between 65 and 85 degrees Fahrenheit. Store in original sealed container or in sealed, opaque spray bottles. Keep away from direct sunlight and heat. Do not allow to freeze.

Incompatible materials Avoid contact with acids or bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials and does not have occupational exposure limits established by any specific regulatory authority.

Appropriate engineering controls

Engineering Controls Effective ventilation systems, access to eyewash stations and emergency showers.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No special protective equipment required. If irritation is experienced or as required by local regulations, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with standard industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Property	Values	Remarks • Method
Physical state	Liquid	
Appearance	Clear	
Color	Clear, colorless	
Odor	Slight hypochlorous odor	
Odor threshold	0.3 ppm	
pH	5.4 - 6.2	@ 20°C
Melting point/freezing point	0 °C / 32 °F	
Boiling point / boiling range	100 °C / 212 °F	
Flash point	5001 °C / 9034 °F	
Evaporation rate	No data available	
Flammability (solid, gas)	Product is not flammable	
Flammability Limit in Air		

Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	17.5 mm Hg @ 20°C	
Vapor density	0.017 g/l	
Specific Gravity	1.0	
Water solubility	29.3 g/100 ml @ 0°C	
Solubility in other solvents	No data available	
Partition coefficient	n-octanol/water: None	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	1.002 mPa at 20°C	
Explosive properties	No data available	
Oxidizing properties	No data available	

10. STABILITY AND REACTIVITY

Reactivity

Reacts to kill various bacteria, viruses, mold, mildew, spores, allergens, and microorganisms. No other reactivity test data are available.

Chemical stability

Stable under normal ambient conditions of temperature and pressure. Hypochlorous acid degrades to harmless salt water with prolonged exposure to sunlight or to the atmosphere.

Possibility of Hazardous Reactions

None under normal storage and usage conditions.

Conditions to avoid

Prolonged exposure to sunlight, prolonged exposure of an unsealed container to the atmosphere, freezing or high temperatures.

Incompatible materials

Do not use or mix with ammonia, acids, bases, or other cleaning or disinfection chemicals.

Hazardous Decomposition Products

None at given pH and concentration of the product.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Although this product is not known to cause respiratory problems, seek medical advice if irritation to the nose, throat, or lungs develops or persists.
Eye contact	Although this product is not known to cause eye irritation, seek medical advice if irritation develops or persists.
Skin Contact	This product is not known to cause skin irritation when product is dried or allowed to dry on skin.
Ingestion	Although this product is not known to cause ingestion problems, if ingested, drink plenty of tap water. Seek medical advice if gastric irritation develops or persists.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hypochlorous Acid 7790-92-3	No data available	No data available	No data available

Information on toxicological effects

Symptoms None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No carcinogenic substances present.

Chemical Listed in the National Toxicology Program Report on Carcinogens or in the International Agency for Research on Cancer Monographs or Found to be a Potential Carcinogen by OSHA: No

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION**Ecotoxicity**

None found, not fully investigated

Chemical Name	Fish	Crustacea
Hypochlorous Acid 7790-92-3	No data available	No data available

Persistence and degradability

Product degrades to harmless salt water solution. No information available regarding the product containers.

Bioaccumulation

Chemical Name	Partition coefficient
Hypochlorous Acid - 7790-92-3	None

Mobility

Soluble in water.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

No special precautions for disposal of the product. May be disposed in the municipal drain or on plants.

Contaminated packaging

Follow local regulations for disposal of the container.

14. TRANSPORT INFORMATION**DOT**

Classification	No special precautions are required.
UN/ID No.	Not applicable
Proper shipping name	Not applicable
Hazard Class	Not applicable
Packing Group	Not applicable

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

US Federal Regulations**SARA 313**

None of the chemicals are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations**California Proposition 65**

This product does not contain any chemicals known to the state of California that cause cancer, birth defects, or any reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
None of the chemicals in this product are on the right-to-know lists			

U.S. EPA Label Information

EPA Registration Number 97801-1

FSIS Approved Uses - Electrolytically Generated Hypochlorous Acid

Application	Concentration Limit
Red meat carcasses (spray)	≤50 ppm FAC
Poultry carcasses (spray)	≤50 ppm FAC
Meat processing water	≤5 ppm FAC
Poultry processing water	≤50 ppm FAC
Poultry chiller water	≤50 ppm FAC
Poultry chiller red water	≤5 ppm FAC
Giblets and salvage parts	≤50 ppm FAC

FAC = Free Available Chlorine. This product at 163-200 ppm concentration must be diluted appropriately for specific FSIS-approved applications.

16. OTHER INFORMATION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties None
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HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection None required
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Prepared By	Technical Department
Issue Date	29-Sep-2025
Revision Date	29-Sep-2025
Version	1
Revision Note	Initial release in standardized SDS format.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

End of Safety Data Sheet