

SAFETY DATA SHEET

Sodium Hypochlorite Solution, .05-1%

Section 1: Identification

Product Name: Sodium Hypochlorite

Chemical Name/Synonyms: Bleach

Company: WaterStep

625 Myrtle Street

Louisville, KY 40208

In emergency call 911.

For information about this SDS, use this department contact phone#: +1 (502)-568-6342

Section 2: Hazard(s) Identification

Hazard Classification:

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Signal Word(s): Danger

Hazard Statements: Causes serious eye damage.

Can cause severe skin burns and eye damage.

Pictograms:



Precautionary Statements:

Wear eye protection, such as safety glasses.

Precautionary Statements – Prevention: Wash hands and any exposed skin thoroughly after handling.

Wear protective eye protection such as safety glasses.

Precautionary Statements -Response: Immediately call a poison center or doctor.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements – Storage: Store locked up.

Precautionary Statements Disposal: Dispose of contents in accordance with all applicable federal, state, and local regulations.

Hazards not otherwise classified: Although not expected, heart conditions or chronic respiratory problems such as asthma, chronic bronchitis, or obstructive lung disease may be aggravated by exposure to high concentrations of vapor or mist.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
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Sodium hypochlorite	Bleach	7681-52-9	0.5-1%		
Section 4: First-Aid Measures					
General Information: No special measures required					
After skin contact:	Wash with plenty of water and soap. Wash clothing before reuse. If irritation persists, seek medical attention.				
After eye contact:	Hold eye open and rinse slowly and gently with water for several minutes. Remove contact lenses, if present and easy to do, then continue rinsing eye.				
After inhalation:	Move individual to fresh air and keep at rest. If breathing is difficult, give oxygen and seek immediate medical attention.				
After swallowing:	Rinse mouth. Do not induce vomiting. Obtain emergency medical attention and call poison control.				
Section 5: Fire-Fighting Measures					
Suitable extinguishing agents:	Use methods suitable for the area/environment.				
Special protective equipment for firefighters:	As the case with any fire, wear self-contained breathing apparatus and protective gear.				
Section 6: Accidental Release Measures					
Personal precautions:	Avoid contact with eyes, skin, or clothing.				
Measures for environmental protection:	Dilute with water.				
	Do not allow to enter sewers/ surface or ground water.				
Measures for cleaning/collecting:	Absorb with liquid-binding material, i.e. sand, diatomite, acid binders.				
Section 7: Handling and Storage					
Handling:	Avoid contact with skin, eyes, and inhalation of vapors.				
	Do not eat or drink while working.				
	See section 8 for protection equipment.				
Storage:	Keep away from food and drinks.				
	Keep in adequately ventilated premises				
Section 8: Exposure Controls/Personal Protection					
Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)	
Sodium hypochlorite	None	None	None	None	
General protective and hygienic measures: Wash hands after direct contact.					
Remove and wash contaminated clothing before re-use.					
Do not eat, drink, or smoke when using this product.					
Breathing equipment:	N/A				
Protection of hands:	For prolonged periods of contact gloves are recommended.				
Eye protection:	If splashes are likely to occur, wear safety glasses or goggles.				
Section 9: Physical and Chemical Properties					
Physical State:	Thin liquid	Appearance:	Clear	Odor:	Bleach
Color:	Pale yellow				

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	~9	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range	No data available	None known
Flash point	Not flammable	None known
Evaporation rate	No data available	None known
Upper flammability limit	No data available	None known
Lower flammability	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Water Solubility	Soluble	None known
Solubility in other solvents	No data available	None known
Auto ignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Explosive properties	Not explosive	None known
Oxidizing properties	No data available	None known

Section 10: Stability and Reactivity

Reactivity:	Stable under normal conditions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None known
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	None known based on information supplied

Section 11: Toxicological Information

Potential routes of exposure/potential health effects

Skin:	May cause irritation to skin.
Eye:	Corrosive. May cause severe damage to eyes.
Inhalation:	May irritate respiratory tract and cause coughing.
Ingestion:	May cause burns to gastrointestinal tract and respiratory tract, nausea, vomiting, and diarrhea.

Acute Toxicity:	No information available
Sensitization:	No information available
Mutagenic Effects:	No information available
Carcinogenicity:	The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)
Group 3 – Not Classifiable as to Carcinogenicity in Humans*

Reproductive Toxicity:	No information available
STOT- single exposure:	No information available
STOT- repeated exposure:	No information available
Aspiration Hazard:	No information available

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: Toxic to aquatic life, such as fish, aquatic invertebrates, oysters, and shrimp.
Do not allow product to enter storm drains, lakes, or streams.

Mobility: No information available

Biodegradation: No information available

Bioaccumulation: No information available

Other adverse effects: No information available

Section 13: Disposal Considerations (non-mandatory)

Disposal Methods: Dispose of in accordance with all applicable federal, state, and local regulations.
Do not contaminate food or feed by disposal of product

Section 14: Transport Information (non-mandatory)

DOT: Not restricted

TDG: Not restricted

ICAO: Not restricted

IATA: Not restricted

IMDG/IMO: Not restricted

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances): None of the ingredients are listed.

SARA Section 313 (specific toxic chemical listings): None of the ingredients are listed.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): Not a listed Hazardous Air Pollutant (HAP)

TSCA (Toxic Substances Control Act): All components are either listed on the TSCA 8(b) Inventory or otherwise exempt from listing.

Section 16: Other Information

SDS date of preparation/update: Click or tap to enter a date.

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge. The information is designed only as a guidance for safe handling, use, storage, transportation, disposal, and release. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or process, unless specified.