



Safety Data Sheet

12% Bleach

Section 1 Identification

Trade Name: 12% Bleach
Product Identification: GLA-S180
Synonyms:
Product Use Description:

Date Prepared: 11/04/2015
CAS No: 7681-52-9

Details of the supplier of the safety data sheet

G.L.A Water Inc.
17802 Rapids Road
HIRAM, OH 44234 US

Phone: (440) 834-8435
website: www.glawater.com

Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)
(352) 323-3500

Section 2 Hazards Identification

GHS Classification: Skin Corrosion/Irritation Category 1
Serious Eye Damage/Irritation Category 1
Aquatic Toxicity Acute Category 1

GHS label elements:



Environment: Corrosive
Signal Word: Warning

Hazard Statements:

H314 Causes severe skin burns and eye damage
H400 Very toxic to aquatic life

Precautionary Statements:

Prevention

P260 Do not breathe fumes, mist, vapours or spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing and eye protection or face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse SKIN with water.
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment: see information on the SDS or label.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.



Safety Data Sheet

12% Bleach

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents and container in accordance with local, regional and national regulations.

Hazards Not Otherwise Classified (HNOC):

None.

Additional Information:

None.

Section 3 Composition

Chemical Name	Common name and synonyms	CAS #	%
sodium hypochlorite		7681-52-9	12.5 - 15

Section 4 First Aid

General:

Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

Skin contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

Eye contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Drink large quantities of milk or water. Seek immediate medical attention.

Most important symptoms and effects both acute and delayed:

No information available.

Indication of any immediate medical attention and special treatment needed:

No information available.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media:

No information available.

Specific hazards developing from the chemical:

In fire conditions toxic fumes can be generated including chlorine gas, hydrogen chloride acid vapors and hypochlorous acid vapors.

Precautions for firefighters:

No information available.

Firefighting Instructions:

No information available.

Protection During Firefighting:

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

Other information:

No additional information available.



Safety Data Sheet

12% Bleach

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

Methods and material for containment and cleaning up:

Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Conditions for safe storage, including any incompatibilities:

Store in original vented container. Keep container tightly closed. Store at room temperature (50-90 F) in a dry well-ventilated area. Do not store near acids, heat sources, oxidizable materials or organics. Keep out of direct sun light.

Section 8 Exposure Controls/Personal Protection

Exposure limits:

Ingredient	Data Source	Exposure Form	Exposure Value	Exposure Notes
sodium hypochlorite	AIHA WEEL	STEL	2 mg/m3	

Appropriate Engineering Controls:

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

Individual protection measures:**Eye/face protection:**

Chemical goggles or face shield should be worn when handling this material.

Skin protection:**Hand Protection:**

Wear chemical resistant gloves when handling.

Other:

Wear chemical resistant clothing or chemical splash suit when handling.

Respiratory Protection:

Wear respiratory protection while using this material.

General hygiene considerations:

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

Additional information:

No additional information available.

Section 9 Physical and Chemical Properties

Appearance	Pale Yellow Liquid	Flammability (solid, gas)	Not available.
Odor	Pungent	Lower flammability limit	Not available.
Odor threshold	Not available.	Upper flammability limit	Not available.
pH	12.5	Lower explosive limit	Not available.
Melting/freezing point	-10°F (-23°C)	Upper explosive limit	Not available.
Initial boiling point	Not available.	Vapor pressure	Not available.
Flash point	Not available.	Vapor density	Not available.
Evaporation rate	Not available.	Relative density	Not available.



Safety Data Sheet

12% Bleach

Solubility in water	Complete
PC: n-octanol/water	Not available.
Auto-Ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Density	Not available.
Specific gravity	1.24

Section 10 Stability and Reactivity

Reactivity :	Not reactive under normal use conditions.
Chemical stability :	Material is stable under normal handling and storage conditions.
Hazardous reactions :	Hazardous polymerization will not occur.
Conditions to avoid :	Avoid excessive heating, freezing and chemical contamination.
Decomposition products:	No decomposition products are expected under normal storage and handling conditions.
Incompatible materials:	Avoid contact with acids, metals, amines, combustible material, reducing agents.

Section 11 Toxicological Information

Information on the likely routes of exposure:

Inhalation:

May cause severe irritation, sore throat with possible blistering.

Skin Contact:

May cause redness, pain, blistering, itchy eczema and chemical burns.

Eye Contact:

May cause redness, pain, burns and blurred vision.

Ingestion:

May cause irritation and erosion of the mucous membranes, vomiting and abdominal pain and spasms.

Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

Delayed and chronic effects:

No information available.

Numerical measures of toxicity:

Components	Exposure	Species	Dose	Notes
sodium hypochlorite:				
LD50	Oral	Mouse	5800 mg/kg	
TDL0	Oral	Rat	140 mg/kg	9 week continuous

Toxicological effects:

Acute Toxicity:

sodium hypochlorite:
No information available.

Skin Corrosion/Irritation:

sodium hypochlorite:
No information available.

Serious Eye Damage/Irritation:

sodium hypochlorite:
No information available.

Respiratory sensitization:

sodium hypochlorite:
No information available.

Skin sensitization:

sodium hypochlorite:
No information available.

Germ cell mutagenicity:

sodium hypochlorite:
No information available.



Safety Data Sheet

12% Bleach

Carcinogenicity:

sodium hypochlorite:

This product is considered to be a potential carcinogen by:

NTP: No

OSHA: No

IARC: No

Reproductive toxicity:

sodium hypochlorite:

This product is not expected to cause reproductive and developmental effects.

STOT-single exposure:

sodium hypochlorite:

No information available.

STOT-repeated exposure:

sodium hypochlorite:

No information available.

Aspiration hazard:

sodium hypochlorite:

This product is not an aspiration hazard.

Additional information:

None.

Section 12 Ecological Information

Ecotoxicity:

No information available.

Numerical measures of ecotoxicity:

Components	Type	Species	Dose	Notes
sodium hypochlorite:				
Fish	LC50	Cutthroat Trout	0.094 mg/l	96 hr
Invertebrates	EC50	Daphnia magna	>0.36 mg/l	48 hr
Algae	EC50	Algae	0.090 mg/l	96 hr

Persistence and degradability:

sodium hypochlorite:

No information available.

Bioaccumulative potential:

sodium hypochlorite:

No information available.

Mobility in soil:

sodium hypochlorite:

No information available.

Other adverse effects:

sodium hypochlorite:

No information available.

Additional information:

No information available.

Section 13 Disposal Considerations

Disposal instructions:

Dispose of material in accordance with all federal, state and local regulations.

Contaminated packaging:

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

Additional Information:

No additional information available.

Section 14 Transport Information

DOT:

UN number: UN1791

Trade Name: 12% Bleach
SDS ID: SDS00135SDS #: GLA-S180
Revision # 1Page 5 of 7
Revision Date 06/08/2015



Safety Data Sheet

12% Bleach

UN proper shipping name: UN1791, Hypochlorite Solutions, 8, PGIII

Class: 8

Subsidiary risk: none

Label(s):

Packing group: III

Packaging exceptions: none

Section 15 Regulatory Information

Federal regulations:

SARA 311/312 Hazard categories:

Immediate (Acute) Health Hazard

SARA 302 Extremely hazardous substance:

Not listed.

SARA 304 Emergency release notification:

Not regulated.

SARA 311/312 Hazardous chemical:

No

SARA 313 Toxic Release Inventory (TRI) report:

Not regulated.

CERCLA Hazardous substance list:

sodium hypochlorite Reportable Quantity: >100 lb

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):

This chemical is not a pesticide product.

Clean Air Act regulated substances:

None.

Clean Water Act regulated substances:

None.

U.S. state regulations:

None.

Canadian regulations:

Canadian Ingridient Disclosure List substances:

None listed.

WHMIS classification:

Not classified.

Section 16 Other Information

HMIS hazard ID:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	J

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *-Chronic health effect



Safety Data Sheet

12% Bleach

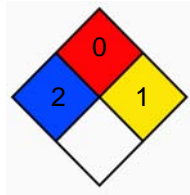
NFPA hazard ID:

Flamability:

Health:

Reactivity:

Special hazard:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Disclaimer: This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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