

## MATERIAL SAFETY AND DATA SHEET

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### SECTION 1 - PRODUCT IDENTIFICATION

#### Sodium Hypochlorite Bleach 10% (12.5% by weight)

**CHEMICAL FAMILY:** Hypochlorite  
**SYNONYMS:** Household bleach



### SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT:	CAS #:	PERCENTAGE (by wt.):
Sodium Hypochlorite	7681-52-9	12.5%
Sodium Hydroxide	1310-73-2	0.1%

### SECTION 3 - PHYSICAL DATA

<b>Appearance:</b> Clear pale yellow liquid	<b>Viscosity:</b> 2.15 @ 23°C
<b>Odor:</b> Chlorine like	<b>Evaporation Rate:</b> 1 (Water=1)
<b>Boiling Point:</b> 212°F	<b>pH:</b> 12-13
<b>Solubility:</b> infinitely soluble in water	<b>Vapor Pressure:</b> 17.5 @ 68°F
<b>Specific Gravity:</b> 9.63 lb/gal	

### SECTION 4 - FIRE AND EXPLOSION DATA

**Flash Point:** N/A  
**Extinguishing Media:** Water or water spray to cool area.  
**Special Fire Fighting Procedures:** Product releases oxygen when heated, adding to the severity of an existing fire. In case of fire, clear area of unprotected personnel. Do not enter fire space without full protective gear.

### SECTION 5 - REACTIVITY DATA

**Stability:** Slowly decomposes on contact with air. Decomposition increases with concentration and heat. Sodium hypochlorite becomes less toxic with age.  
**Incompatibilities:** Combustible materials, acids, amines, reducing agents, metals.  
**Hazardous Decomposition Products:** Oxides of chlorine.  
**Hazardous Polymerization:** Will not occur.

### SECTION 6 - HEALTH HAZARDS

**Inhalation:** May cause irritation or headache.  
**Eye Contact:** Can cause irritation, redness, tearing, and blurred vision.  
**Skin Contact:** May cause irritation, redness, itching, or swelling upon direct contact.  
**Ingestion:** Causes pain and inflammation of mouth, gastrointestinal tract, and erosion of mucous membranes.  
**Note to Physician:** Consider oral administration of sodium thiosulfate solutions if sodium hypochlorite is ingested. Do not administer neutralizing agents, exothermic reaction may result.

### SECTION 7 - FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.  
**Eye Contact:** Flush immediately with water for 15 minutes and seek medical attention.  
**Skin Contact:** Wash thoroughly with soap and water. If irritation persists or develops, seek medical attention.  
**Ingestion:** Do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended.

## SECTION 8 - STORAGE AND HANDLING

**Handling:** Avoid contact with eyes, skin, or clothing and avoid breathing vapors. Wash thoroughly after handling and wash any contaminated clothes before reuse. Do not reuse empty container since they contain hazardous residue.

**Storage:** Avoid exposure to heat, sparks, flame, and contact with incompatible materials. Protect from physical damage and ensure there is good drainage surrounding.

## SECTION 9 - SPILL AND DISPOSAL PROCEDURES

**In case of spill:** Flood area with large quantities of water. Wear all protective gear including respirator, goggles, gloves, boots, etc while attending to spill. Small spills should be diluted with water before disposal to a sanitary sewer. Wash thoroughly or shower after handling and wash all clothing and protective gear before reuse.

**Disposal:** Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

## SECTION 10 - TRANSPORTATION

**Hazardous Materials Transportation Regulations, Department of Transportation (Federal) 49 CFR 172.101**

Proper Shipping Description for 1 gallon or less: Consumer commodity ORM-D

Proper Shipping Description for more than 1 gallon: Hypochlorite Solutions, 8, UN1791, P.G. III

## SECTION 11 - PROTECTIVE EQUIPMENT



While the information presented herein is compiled from sources considered to be dependable and believed to be accurate, NWA Chemical Specialists, LLC makes no warranty, express or implied, and assumes no liability with respect to use of this information.

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