

# Material Safety Data Sheet

**HMIS**                      **Health – 3**      **Flammability – 0**      **Reactivity – 1**                      **Personal Protection – Yes**

## I Chemical Identification

Name: *GFS Bleach and Disinfectant*

CAS No. 7681-52-9

Description: Sodium Hypochlorite

### Other Designations

Bleach

### Manufacturer

OnLine Packaging, Inc.  
4311 Plover Road  
Plover, WI 54467

### Emergency Procedure

Call your local poison control center or  
For Transportation Emergencies  
CHEMTREC: 1-800-424-9300

## II Health Hazard Data

Threshold Limit Value: Not Established (OSHA 29 CFR 1910.Z-1-A) Not Established (ACGIH 1988-89) – Recommended Exposure Limit for Chlorine be used as a guide: 0.5 PPM (OSHA 29 CFR 1910.Z-1-A): C 1 PPM (AACGIH). Effects of Overexposure: Eye Contact Corrosive – Causes severe burns and destruction of tissues. Skin Contact: Corrosive to skin. Inhalation: Mists will burn mucous membranes. Ingestion: Ingestion can cause very serious damage to the mouth, esophagus, stomach, and other tissues with which contact is made, and may be fatal. **Emergency and First Aid Procedures – Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician immediately. **Skin contact:** Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. If irritation persists, get medical attention. **Ingestion:** If conscious, drink a quart of water. Do not induce vomiting. Call a physician immediately. If unconscious or in convulsions, take immediately to a hospital or a physician. **Inhalation:** Remove victim to fresh air, if not breathing, give artificial respiration, preferably mouth – to – mouth. If breathing is difficult, give oxygen. Call a Physician. Note: This product does not contain greater than 0.1% of the known or potential carcinogens listed in NTP, IRAC or OSHA.

## III Hazardous Ingredients

TLV Level - \* 0.5 PPM      PEL Level - \* 0.5 PPM      Note: Exposure Limits for chlorine given.

## IV Special Protection and Precaution

**Respiratory Protection:** If vapors or mists are present, wear NIOSH – Approved respirator.

**Ventilation:** Maintain adequate ventilation. Do not use in closed or confined space. Avoid mist formation.

**Protective Gloves:** Rubber (latex). Polyvinyl chloride. Neoprene.

**Eye Protection:** Chemical safety goggles. Safety glasses. Face shield. Do not wear contact lenses.

**Other Protective Equipment:** Eye - Wash station. Safety shower. Rubber apron. Chemical safety shoes. Protective clothing.

**Precaution for Handling and Storage:** Corrosive material. Store in cool, well-ventilated area away from all sources of ignition and out of direct sunlight.

## V Transportation and Regulatory Data

Containers of 1 Gallon or less – DOT Proper Shipping Name: consumer Commodity ORM – D

Containers over 1 Gallon – DOT Proper Shipping Name: Hypochlorite solution, 8, UN1791, PG III, RQ DOT Label – Corrosive.

US Clean Water Act Reportable Quantity RQ 100 lbs. (45.4 kilos)

## VI Spill or Leak Procedures

Actions to be taken: Corrosive Material. Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper safety equipment. Contain spill, place into drums for proper disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Waste Disposal Method: Observe all local, state, and federal regulations. If approved, flush to sewer with large quantities of water. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

## VII Reactivity Data

**Stability:** Unstable Conditions to Avoid: Avoid temperatures above 70 Degrees Fahrenheit.

**Incompatibility:** Ammonia. Organic Materials. Acids. Reacts with acids to release poisonous Chlorine Gas.

Hazardous Decomposition Products: Chlorine – containing gasses can be produced.

Hazardous Polymerization: Will not occur.

## VIII Fire and Explosion Data

**Flash Point** – None. Flammable Limits LEL: N.A., UEL: N.A.

**Extinguishing Media:** For fires in area use appropriate media. Examples: Water spray. Dry Chemical. Carbon Dioxide. Alcohol Foam.

**Special procedures:** Evacuate area of unprotected personnel. Wear protective clothing including a NIOSH – Approved self – contained breathing apparatus. Cool the exposed containers with water spray.

**Unusual Hazards:** Chlorine containing gases can be produced.

## IX Physical Data

pH: Approximately 12.0

Boiling Point (Deg F): Not Established

Freezing Point( Deg F): -10

Vapor Pressure (MM HG): Not Established

Solubility in Water: Complete

Specific Gravity: 1.080

% Volatile by Volume: 100%

Evaporation Rate (N.A.): N.A.

Appearance and Odor: clear, Yellow Liquid, Chlorine Odor.

Data Supplied is For Use Only With Occupational Safety and Health Date Prepared: 07/01/96