

# Safety Data Sheet

## 1. IDENTIFICATION



Deardorff Fitzsimmons Corp  
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(541) 476-6065 Fax (541) 476-2336

Activate 5.25% Institutional Bleach  
5.25% SODIUM HYPOCHLORITE SOLUTION

Item Nos: 77062, 77012, 77051FS, 77012FS, 77128SAP

EPA Reg No: 75266-1 CAS No: 7681-52-9  
Chemical Formula: NaOCl

## 2. HAZARD IDENTIFICATION

Health Rating	Flammability Rating	Reactivity Rating	Special Hazard
2 - Can Cause Injury	0 - None	0 - None	Oxidizer, Corrosive

**DANGER, CORROSIVE:** Causes irreversible eye damage and skin burn. Avoid breathing spray vapors. Vacate poorly ventilated areas as soon as possible until strong odors have dissipated. Wear safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Physical Hazards:** Strong oxidizer. Flush drains before and after use. Do not use or mix with other chemicals, such as toilet bowl cleaners, rust removers, acid or ammonia containing products. To do so will release hazardous gases. Prolonged contact with metal may cause pitting or discoloration.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percent	Hazardous
Sodium Hypochlorite (as NaOCl)	7681-52-9	5.25%	Yes
Sodium Hydroxide	1310-73-2	0.10%	Yes
Inert Ingredients	N/A	Balance	N/A

## 4. FIRST-AID MEASURES

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE FIGHTING MEASURES / CONCENTRATE

**Flash Point:** N/A

**Explosion Hazard:** Not explosive

**Fire Hazards:** May decompose, generating irritating chlorine gas.

**Extinguishing Media:** Use extinguishing measures appropriate to local circumstances and the surrounding environment.

**Small Fires:** Use carbon dioxide or water spray.

**Large Fires:** Use flooding quantities of water as fog.

**Special Remarks on Fire Hazards:** Do not use Mono Ammonium Phosphate (MAP) fire extinguishers. Such use may cause explosion with release of toxic gases.

## 6. ACCIDENTAL RELEASE MEASURES / CONCENTRATE

**In Case of Spill:** Flood area where spill has occurred with large quantities of water. With permission from local authorities, diluted product may be flushed to a sanitary sewer. Product may also be absorbed with sand or diatomaceous earth. Absorbed products must be disposed of in accordance with applicable Federal, State and/or local regulations.

## 7. HANDLING AND STORAGE

**Danger:** This product is corrosive and may cause irreversible eye damage and skin burn. Wear safety glasses and safety gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. In case of large spill, flood area with large quantity of water. Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

**Storage:** This product degrades with age, test active level of sprayed product periodically with high-level chlorine test strips. Store in a cool (50° - 72° F), dry area away from direct sunlight and heat to avoid deterioration. Store in an upright position.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Protective Equipment:** Chemical safety glasses and face shield; chemical resistant gloves, splash apron and boots. Safety shower and eye wash fountain should be near by.

**Ventillation Requirements:** Local exhaust is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES / CONCENTRATE

**Appearance:** Colorless to yellow-greenish liquid

**Odor:** Chlorine-like odor

**Solubility:** 100% in Water

**Density:** 1.07 - 1.14

**pH:** 10.4 - 10.6

**Boiling Point:** N/A Decomposes @ 110<sup>o</sup> C (230<sup>o</sup> F)

**Melting Point:** N/A

**Specific Gravity (water = 1):** 1.082 @ 20C by weight

**Vapor Pressure (mm Hg):** Variable water + products of decomposition

**Evaporation Rate (water = 1):** Not Available

## 10. STABILITY AND REACTIVITY / CONCENTRATE

**Stability:** Solutions are fairly stable. Stability decreases with heat, light, exposure, decrease in pH and contamination with metals.

**Hazardous Decomposition Products:** Emits toxic fumes of chlorine when heated to decomposition. Sodium oxide at high temperatures.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Light, heat, incompatibles

**Incompatibles:** Violent reaction with ammonia (chloramine gas may evolve); acids, alcohols, amines, chlorinated isocyanurates, combustibles, cyanides, detergents, ethers, hydrocarbons, oxidizable materials, reducing agents. Corrosive to most metals.

## 11. TOXICOLOGICAL INFORMATION / CONCENTRATE

### Potential Routes of Exposure

**Inhalation:** Fumes from spills can cause severe irritation and chemical burns to the nose, throat and lungs. Very little hazard from properly contained and stored solution.

**Ingestion:** Causes irritation of membranes of mouth, throat, stomach pain and ulceration.

**Skin Contact:** Corrosive, can cause severe skin and eye irritation or chemical burns to open skin.

**Eye Contact:** Severe irritant, corrosive, can severely burn eyes.

**Chronic Exposure (Human Risk Assessment):** Based on the toxicity profile and exposure scenarios for sodium hypochlorite, EPA concludes that the risks from chronic and subchronic exposure to low levels of these pesticides are minimal and without consequence to human health.

## 12. ECOLOGICAL INFORMATION

N/A

## 13. DISPOSAL CONSIDERATIONS

Products or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer.

## 14. TRANSPORT INFORMATION

**DOT Shipping Name:** Consumer Commodity / ORM-D

**DOT Class:** Consumer Commodity (Limited Qty Exception Class 8)

**DOT Label:** ORM-D

**Air Shipments:** Packing Group III

## 15. REGULATORY INFORMATION

**USEPA Pesticide Registration No. 75266-1.** This product is listed in the Toxic Substances Control Act Inventory of Chemical Substances.

**USDA Authorized Uses:** B1, D2, 3D, Q4.

**SARA Title III Extremely Hazardous Substances:** No

**Sara Title III Toxic Chemical:** No

## 16. OTHER INFORMATION

Revised SDS 6/1/2014