

**(Brand: DairyStar)**

**Section 1: Chemical Product and Company Identification:**

**Material Identity:**

Product Trade Name: DS Chlorine Sanitizer  
Chemical Name: Sodium hypochlorite solution

**Company:**

GEA Farm Technologies, Inc.  
1880 Country Farm Drive  
Naperville, IL 60563 U.S.A.

**Phone Numbers:**

EMERGENCY: 1-877-741-1032 (24 hours a day, 7 days a week).

Business: 1-630-369-8100

**Section 2: Hazard Identification:**

GHS Classification: Category 2 Oxidizer  
Category 1A/1 Corrosive

**GHS Label Elements:**

Signal Word: Danger Symbol:



Hazard Statement: May intensify fire. Causes severe skin burns and eye damage

Precautionary Statement: This product will cause eye damage. May cause severe skin irritation or chemical burns to broken skin.

**Section 3: Composition and Information on Ingredients:**

Component	CAS Number	Percent (Wt/Wt)
Sodium Hypochlorite	7681-52-9	12.0-15.0
Sodium Hydroxide	1310-73-2	0.2-2.0

This is not intended to be a complete compositional disclosure. The criteria used for listing components in this section are as follows:

- Carcinogens are listed when present at 0.1% or greater.
- Components are listed when present at 1% or greater if they are considered hazardous by either OSHA(29CFR), EPA(40CFR), or DOT(49CFR) and if they maintain their chemical identity in this product and/or contribute to the hazards of this product.

**Section 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. Call a poison control center or doctor for treatment advice.

If Swallowed: Call poison control center or doctor immediately for treatment advice. Drink large quantities of milk or water. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation of Vapors/mist: If breathing difficulty or irritation occurs, remove to fresh air. If symptoms persist, get medical attention.

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

FOR ASSISTANCE WITH MEDICAL EMERGENCY (24 hours a day, 7 days a week),  
CALL: 1-877-741-1032

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**Section 5: Fire Fighting Measures:**

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Flash Point (test method): Not applicable.  
Flammable Limits: Upper-not applicable; Lower-not applicable.  
Extinguishing Media: Water or carbon dioxide.  
Special Fire Fighting Procedures: Where there is potential for exposure, wear impervious clothing and self-contained breathing apparatus.  
Unusual Fire & Explosion Hazards: Material is a strong oxidizer. Contact with combustibles may initiate or promote combustion. Acid and heat accelerate combustion.

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**Section 6: Accidental Release Measures:**

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Spill Response: Keep spills out of sewers and open bodies of water.  
Small spills: Vacuum or mop up then flush spill area with water.  
Large spills: Dike and contain spill with inert material (sand, earth, etc.). Transfer the liquid and solid separately to containers for recovery or disposal.  
Waste Disposal Method: Refer to Section 13.

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**Section 7: Handling and Storage:**

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Handling: Use good industrial hygiene and safety practices (see Section 8).  
Storage: Store in a cool dry area, away from direct sunlight and heat to avoid deterioration. If frozen, separation may occur. Completely thaw and mix well prior to use.  
NOTE: Since emptied containers may retain product residue, all hazard precautions given in this data sheet should be observed.

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**Section 8: Exposure Controls / Personnel Protection:**

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These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed by the user(s) of this product. Consult with the manufacturer or supplier of your safety equipment in order to determine the specific type of equipment appropriate for your use/application of this product.

Exposure Guidelines:

Exposure limits for this product: None have been established.

Exposure limits for components of this product:

Sodium Hydroxide:

OSHA TWA: 2mg/m<sup>3</sup> (ceiling)

ACGIH TWA: 2mg/m<sup>3</sup> (ceiling)

Sodium Hypochlorite: No data found.

Eye Protection:

Safety glasses, goggles, or face shield based on anticipated exposure.

Skin Protection:

Gloves and protective clothing/equipment as necessary to avoid contact.

Both durability and resistance to permeation must be considered.

Respiratory Protection:

Use NIOSH/MSHA approved respiratory protection equipment based on actual or potential airborne concentrations. See previous paragraph in this section concerning exposure limits.

Ventilation:

Use local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

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**Section 9: Physical and Chemical Properties:**

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Appearance: yellow/yellow-green liquid.  
Odor: Chlorine.  
pH: 12.5-13.5 (as is)  
Viscosity at 25°C: 2cps (Brookfield).  
Specific Gravity at 25°C (water=1): 1.2  
Density (powder products): Not applicable.  
Solubility in Water: Complete.  
Percent Volatile by volume: Variable-water plus products of decomposition.  
Boiling Point: 219°F.  
Evaporation Rate (butyl acetate=1): None established.  
Vapor Pressure (mm Hg.): Variable-water plus products of decomposition.

Note: The above properties are typical values and are not to be construed as a guaranteed analysis for any specific lot or as specifications for the product.

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**Section 10: Stability and Reactivity:**

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Stability: Fairly stable in concentrations below 10%. Stability decreases with light, heat, and metallic impurities. Naturally decomposes with age.  
Hazardous Polymerization: Will not occur.  
Incompatibility: Acids, alcohols, amines, ammonia, chlorinated isocyanurates, combustibles, cyanides, detergents, ethers, hydrocarbons, oxidizable materials, and reducing agents. Corrosive to most metals.  
Hazardous Decomposition Products: Chlorine gas, oxygen, hydrochloric acid, hypochlorous acid, sodium chlorate, and sodium chloride.  
Other Precautions: Strong oxidizing agent. Mix only with water according to label directions. Mixing this product with gross filth such as feces, urine, etc. or with ammonia, acids, detergents or other chemicals may release hazardous gases irritating to eyes, lungs and mucous membranes.

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**Section 11: Toxicological Information:**

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LD50 (oral, rat) for 12.5% NaOCl is above 5gm/kg body weight.

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**Section 12: Ecological Information:**

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This pesticide is toxic to fish and aquatic organisms.

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**Section 13: Disposal Considerations:**

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Dispose of in accordance with all applicable laws and regulations. Consult with appropriate regulatory authorities to determine exact classification of waste.

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**Section 14: Transport Information:**

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U.S. Department of Transportation (DOT) Regulations (49CFR):

Hazard Class:

8, Corrosive.

Proper Shipping Name:

UN1791, Hypochlorite Solution, 8, PGIII.

Reportable Quantity (RQ):

For component Sodium Hypochlorite, RQ is 100 pounds.

For component Sodium Hydroxide, RQ is 1,000 pounds.

Canadian Transportation of Dangerous Goods (TDG) Regulations:

Identical to U.S. DOT above.

International Maritime Dangerous Goods (IMDG) Code:

Identical to U.S. DOT above.

International Air Transport Association (IATA) Dangerous Goods Regulations:

Identical to U.S. DOT above.

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**Section 15: Regulatory Information:**

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California Proposition 65:

There are no detectable components of this product which are listed substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

EPA: May not be repacked and used for disinfection or sanitization without prior approval by EPA. Repackagers must obtain EPA registration and establishment numbers.

Other: Contact manufacturer if you require further regulatory information.

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**Section 16: Other Information:**

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Reason(s) for revision: Changes in Section(s) 2, and SDS format.

**Disclaimer:**

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete or representative and Buyer may rely thereon only at Buyer's risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and/or situations involving its handling and use. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

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**End of SDS.**

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Prepared by: GEA WS Regulatory Department  
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