

MATERIAL SAFETY DATA SHEET



FARMER BOY®

Latest revision date: 3/26/2015
Emergency phone number: 1-800-424-9300

SECTION 1 - PRODUCT IDENTIFICATION

Product name: EZ-CLEAN Ag
Chemical family: Extra-strength foaming cleaner
HMIS rating: Health: 1 Fire: 0 Reactivity: 1 Personal protection: C
NFPA:

Fire Hazard: 0
Health Hazard: 1
Specific Hazard: --
1 Reactivity

SECTION 2 - HAZARDOUS INGREDIENTS / HAZARD DATA

<u>Chemical name</u>	<u>CAS number</u>	<u>% WT</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>Hazard Data</u>
Sodium hypochlorite	7681-52-9	<20	1 ppm	No data	Irritant

*Information for blend is based on constituent MSDS which are available upon request (minus proprietary trade names).

SECTION 3 - PHYSICAL DATA

Boiling or freezing point @760 mm Hg: Begins to freeze at approximately 0 °F (-18°C)

pH: 1% solution @11.5

Specific gravity or bulk density: @1.05

Solubility in water: Complete

Appearance: A clear, slightly amber to yellow liquid.

Odor:Chlorine

Phosphorus: Less than 3%

Carcinogen: No

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash point: Not combustible °F

Extinguishing media: Water fog, dry chemical, CO₂, or foam.

Special fire fighting procedures: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Water spray should be used to keep containers cool.

Unusual fire & explosion hazards: Heat may cause containers to swell and the evolution of chlorine gas. Keep containers cool with water spray.

SECTION 5 - HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

Skin contact: May cause burns and irritation to the skin. Irritant. Contact may result in redness and pain.

Eye contact: Causes moderate to severe irritation and pain to eyes resulting in redness and possible permanent corneal damage.

Inhalation: May cause moderate to severe irritation to nose, throat, lung tissue, and mucous membranes if mists or vapors are inhaled.

Ingestion: Harmful if swallowed. May cause nausea, vomiting, and severe burns to mouth and esophagus.

SECTION 6 - EMERGENCY FIRST AID PROCEDURES

Skin: Flush with fresh water for at least 15 minutes. Wash with mild soap and water after removing ALL contaminated clothing. Be sure to thoroughly wash ALL contaminated clothing before re-use. If severe irritation or pain persists, seek medical attention.

Eyes: Immediately flush eyes with fresh water for AT LEAST 15 minutes. Seek medical attention immediately.

Ingestion: DO NOT INDUCE VOMITING. Drink large amounts of milk, egg whites, gelatin, or water. DO NOT use sodium bicarbonates or acidic solutions as antidotes.

Inhalation: Remove to fresh air. If breathing difficulty persists, give oxygen and seek medical attention.

SECTION 7 - REACTIVITY DATA

Product stability: EZ-CLEAN* is stable under normal conditions. Heat or warm conditions may cause the product to lose strength over time.

Conditions to avoid: DO NOT MIX with acids as dangerous chlorine gas is evolved. Avoid heat and DO NOT mix with other chemical products.

Chemical incompatibility: Acidic materials.

Hazardous decomposition products: Chlorine gas or chlorinated products.

Hazardous polymerization: Will not occur.

Conditions to avoid: Use plastic taps of pumps for dispensing. DO NOT use aluminum or soft metal fittings or taps.

Corrosive to metal: EZ-CLEAN is safe for use on aluminum and painted surfaces at its use concentration. Corrosion or surface degradation may occur with contact by concentrated material or with extended contact or soaking.

Oxidizer: This product contains sodium hypochlorite.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory protection: An approved cartridge mask for alkaline mists may be required for bulk unloading. A dust mask may also be used and discarded after use if desired to protect from mists and vapors.

Ventilation: Local exhaust.

Protective clothing: Chemical resistant (rubber) gloves, boots, and apron. Face shield and goggles are also recommended. Other equipment as necessary to prevent contact.

Eye protection: Goggles and face shield are highly recommended.

Other precautions: Eye wash fountains and safety showers should be readily accessible. Staff should be knowledgeable as to the location of the nearest facilities.

SECTION 9 - ENVIRONMENTAL DATA

Spill or leak procedures: Spills should be contained, solidified, and placed in suitable containers for disposal in an approved manner. Affected area may be thoroughly rinsed to the drain.

Waste disposal method: EZ-CLEAN* makes a chlorinated alkaline solution and may require chlorine neutralization and adjustment to a specific pH prior to disposal. Contact your local representative for assistance.

Container disposal: Dispose of in accordance with all Federal, State, and local regulations.

SECTION 10 - SHIPPING DATA

D.O.T. Proper shipping name: Not DOT regulated

D.O.T. Hazard class: na

D.O.T. Labels required: na

Poison constituent: No

UN/NA Code: na

SECTION 11 - SUPPLIER INFORMATION / DISCLAIMER

While this company believes that this data contained herein is factual and the opinions expressed are based on tests and data believed to be reliable, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. Since actual use by others is beyond our control, no guarantee, expressed or implied, is made by this company as to the effects of such use, the results to be obtained, or the safety and toxicity of the product, nor does this company assume any liability arising out of the use, by others, of the product referred to herein. Nor is the information contained herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist, or because of applicable laws or governmental regulations. The information contained herein is offered in good faith solely for your consideration, investigation, and verification.

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