

PM 32 4524-42 Yellow Table Cover

10811

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">EPA REGISTRATION NO. <b>4524-42</b></td> <td style="width: 50%;">DATE OF ISSUANCE <b>NOV 21 1977</b></td> </tr> <tr> <td colspan="2">TERM OF ISSUANCE</td> </tr> <tr> <td colspan="2">NAME OF PESTICIDE PRODUCT  <b>CLX</b></td> </tr> </table>	EPA REGISTRATION NO. <b>4524-42</b>	DATE OF ISSUANCE <b>NOV 21 1977</b>	TERM OF ISSUANCE		NAME OF PESTICIDE PRODUCT  <b>CLX</b>	
EPA REGISTRATION NO. <b>4524-42</b>	DATE OF ISSUANCE <b>NOV 21 1977</b>						
TERM OF ISSUANCE							
NAME OF PESTICIDE PRODUCT  <b>CLX</b>							
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>							
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)							
<div style="border: 1px solid black; padding: 10px; min-height: 100px;"> <p>H.B. Fuller Company            Monarch Division            3900 Jackson Street, NE            Minneapolis, MN 55421</p> </div>							
<b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.							
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.							
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.							
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.							
<p>Based on your response to the Reregistration Eligibility Document, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.</p> <p>Make the following labeling changes before you release the product for shipment:</p> <ol style="list-style-type: none"> <li>1. Refer to the enclosed Attachment A for the necessary revisions to the Precautionary Statements for the subject product.</li> <li>2. On the Label and Product Information in the "Eggs for Breaking" statement, delete "not less than 100 ppm or not more than".</li> <li>3. On the Label and Product Information in the "Eggs for Packing" statement, delete "not less than 50 ppm or not more than".</li> </ol>							
<input type="checkbox"/> ATTACHMENT IS APPLICABLE							
SIGNATURE OF APPROVING OFFICIAL	DATE						

4. The directions for use in sanitizing eggs must include the following statements:
  - The sanitizer temperature should not exceed 130°F.
  - Allow the eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. The solution should not be re-used to sanitize eggs.
5. Under Environmental Hazards include the following statement as the first sentence: "This pesticide is toxic to fish and aquatic organisms".
6. Include the following statement beneath the Directions for Use Heading in the Product Information: "It is a violation of Federal law to use this product in a manner inconsistent with its labeling".
7. In the Product Information, change "sanitizing hard non-porous surfaces: to read "sanitizing hard non-porous food contact surfaces".
8. Change "Warning Statement" to "Precautionary Statement" on Product Information.

A stamped copy of the product label is enclosed for your records.

Submit one copy of the final printed labeling before releasing the product in channels of trade with the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.



Ruth G. Douglas  
Product Manager 32  
Antimicrobial Program Branch  
Registration Division (7505C)

Enclosure

## Attachment A - Batch 26 Products

Labeling:

1. The signal word is "Danger".
2. The Precautionary Statements should read:

"Corrosive: Cause irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor or spray mist. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse".

3. The Statements of Practical Treatment should read:

"If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention".

"If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention".

"If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists".

"If swallowed: Drink promptly large quantities of water. Avoid alcohol. Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Get medical attention".

40/11

# Monarch<sup>®</sup>

SK 0337

# CLX

## Concentrated Chlorinating Powder

Deodorizes, Sanitizes, Bleaches for Food Plants, Dairies, Egg Processing

### Directions

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

CLX is a concentrated product and must be diluted before using. Recommended for use on pre-cleaned, hard non-porous, environmental surfaces in food processing, milk manufacturing and dairy farms.

**PREPARATION:** Remove gross soils by flushing with water, scraping or brushing. Pre-clean all surfaces. Rinse thoroughly with potable water.

**SANITIZING HARD NON-POROUS SURFACES** (glass or stainless, tile, pipelines, siles, processing vats, bulk tanks and utensils): To sanitize previously cleaned equipment and utensils dip, brush, or spray equipment with a solution of CLX at 1 ounce to 45 gallons of water. Provides 100 ppm available chlorine. Allow at least 10 minutes contact time. Allow equipment to drain well, blow or air dry.

Fresh solutions should be prepared daily or when solution appears dirty. For mechanical applications, used sanitizing solutions may not be reused for sanitizing applications.

**EGG SANITIZING:** Eggs must first be washed and rinsed with an approved egg cleaning compound.

**EGGS FOR BREAKING:** Washed eggs shall be spray rinsed, not immersed, with a concentration of not less than 100 ppm or not more than 200 ppm of available chlorine.

**EGGS FOR PACKING:** Washed eggs shall be spray rinsed, not immersed with a concentration of not less than 50 ppm or not more than 200 ppm of available chlorine.

**Dilution:** 1 oz. in 45 gallons water = 100 ppm chlorine.

Always use freshly prepared solution. Mix only with water. Do not mix with acids.

**ACTIVE INGREDIENTS:** Sodium Dichloro-s-Triazinetrione ..... 99.0%

**INERT INGREDIENTS:** ..... 1.0%

100.0%

E.P.A. Reg. No. 4524-42  
E.P.A. Est. No. 4524-MN-1



E.P.A. Reg. No. 4524-42  
E.P.A. Est. No. 4524-NY-1



E.P.A. Reg. No. 4524-42  
E.P.A. Est. No. 4524-CA-2



E.P.A. Reg. No. 4524-42  
E.P.A. Est. No. 4524-NC-1



## DANGER:

### KEEP OUT OF REACH OF CHILDREN

Precautionary Statement. Hazards to Humans and Domestic Animals

**CORROSIVE. CAUSES EYE AND SKIN DAMAGE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WEAR GOGGLES AND RUBBER GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. AVOID BREATHING DUST. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. CONSULT MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION. FOR INDUSTRIAL USE ONLY.**

Medical personnel familiar with this product are available 24 hours a day, 7 days a week.

Toll free medical emergency number. **1/800-228-5635 EXT 018**

### STATEMENT OF PRACTICAL TREATMENT:

**If swallowed:** Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol. Get medical attention.

**If In Eyes:** Flush with plenty of water for 15 minutes. Get medical attention.

**If On Skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### STORAGE AND DISPOSAL

#### ENVIRONMENTAL HAZARDS.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS.** Strong oxidizing agent. Mix only with water. Use clean utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, generation of hazardous gases and possible generation of an explosion. In case of contamination or decomposition, do not reseal container. If possible isolate container in open air or well-ventilated area. Flood with large volumes of water if necessary.

**STORAGE AND DISPOSAL. PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Keep this product dry in a tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. In case of decomposition, isolate container (if possible) and flood area with large amounts of water to dissolve all materials before discarding this container. Do not reuse empty container but place in trash collection. Do not contaminate food or feed by storage or disposal, or cleaning of equipment.



**H.B. Fuller Company**  
**Monarch Division**

3900 Jackson Street, Northeast  
Minneapolis, Minnesota 55421

## NET CONTENTS

## LBS.

Form 8174B-1090

**BEST AVAILABLE COPY**

RECEIVED  
FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE

SEP 27 1994

UNITED STATES DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D.C. 20535

4524-42

## MATERIAL SAFETY DATA SHEET

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## COMPANY INFORMATION

Monarch Chemicals Division  
H.B. Fuller Company  
3900 Jackson Street N.E.  
P.O. Box 21159  
Minneapolis, MN 55421  
Phone: 612-781-8071  
Fax: 612-782-1755

## MSDS INFORMATION

Preparation Date: 09/20/93  
Supersedes: None  
Prepared By: Industrial Hygiene  
Phone Number: 612-481-3300

Medical Emergency Phone Number: 1-800-228-5635 ext 018  
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

## PRODUCT INFORMATION

Product Name/Number: SK-0337  
Trade Name: CLX  
Product Description (product use): Cleaning compound

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number	Percent	OSHA PEL	ACGIH TLV
Sodium dichloroisocyanurate (2893-78-9)	70-100%	Not estab.	Not estab.

LD50: 700 mg/kg (oral, rat) LC50: No data found

\*Supplier recommends a TWA of 0.5 mg/M3 and a STEL of 1.5 mg/M3 based on available free chlorine.

See Section 16 for additional information.

**BEST AVAILABLE COPY**

## SECTION 3: HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

DANGER - Highly corrosive.  
Causes irreversible eye damage and burns to skin.  
Irritating to respiratory tract.  
Harmful if swallowed.  
Strong oxidizing agent. Contact with water slowly liberates irritating and hazardous chlorine containing gases.

## POTENTIAL HEALTH EFFECTS

Eyes: Eye contact will cause burns, and may cause permanent damage, even blindness.

6011

Skin: Skin contact with product will cause irritation and burns.

Inhalation: Inhalation of dust will irritate and may damage upper respiratory tract and lungs.

Ingestion: Harmful if swallowed.

Chronic: No anticipated chronic effects.

#### REGULATED CARCINOGEN STATUS:

This product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

#### SECTION 4: FIRST AID MEASURES

If in eye: Flush immediately with water for 15 minutes. Call a physician.

If on skin: Wash material from skin with soap and water.

If vapors inhaled: Remove subject to fresh air. Call a physician.

If ingested: Give one glass of water or milk. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

#### SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: Not applicable

Upper Explosive Limit/Lower Explosive Limit: Not applicable

Autoignition Temperature: Not applicable

Appropriate Extinguishers: DO NOT use ABC dry chemical extinguishers since there is potential for reaction. Use water to extinguish fires which involve this product.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: This product is not flammable. However, it will increase the burning rate of combustible material with which it comes in contact. Chlorine containing gases with traces of phosgene can be liberated at temperatures in excess of 400 F.

Hazardous Combustion Product: This material is non flammable.

**BEST AVAILABLE COPY**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Spill or Leak Procedures: Sweep up spilled material.

**SECTION 7: HANDLING AND STORAGE****STORAGE INFORMATION**

Consult the Technical Data Sheet for specific storage instructions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye Protection: Safety goggles. Have eye washes available.

Skin Protection: Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: General dilution ventilation.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:	POWDER
Color:	WHITE
Odor:	Characteristic odor
Odor Threshold:	Not established
Weight per Gallon:	Not applicable
Specific Gravity:	Not applicable
pH:	6.34 (1% solution)
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Water/Oil Partition Coefficient:	Not established

**SECTION 10: STABILITY AND REACTIVITY DATA**

Stability: Stable

Incompatibility: Nitrogen containing compounds, ammonia, urea, inorganic reducing compounds, calcium hypochlorite, alkalis, easily oxidizable organic materials.

Hazardous Decomposition:  
Nitrogen compounds  
Hydrogen chloride, phosphene

Hazardous Polymerization: Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

No data available

**BEST AVAILABLE COPY**

8011

**SECTION 12: ECOLOGICAL INFORMATION**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

As provided, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solutions of this product may be corrosive, hazardous waste - Class D002. Solutions should be diluted and neutralized before disposal. Consult with local sanitary sewer authorities before discharging to sanitary sewer. Do not discharge to storm sewer. For disposal of dry product, consult a reputable disposal firm.

**SECTION 14: TRANSPORTATION INFORMATION**

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: DICHLOROISOCYANURIC ACID SALT  
DOT Hazard Class/I.D. Code: 5.1, UN 2465  
DOT Label: OXIDIZER  
DOT Packaging Group: 2

**SECTION 15: REGULATORY INFORMATION****FEDERAL**

Toxic Substances Control Act (TSCA)

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substances Control Act.

**SARA TITLE III**

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

**STATE REGULATIONS**

California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product does not contain known levels of any chemical known to the State of California to cause cancer or cause reproductive damage.

**OTHER IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS**

Not determined

**BEST AVAILABLE COPY**



**SECTION 16: ADDITIONAL INFORMATION****HMIS RATING**

Health-3

Flammability-3

Reactivity-2

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company makes no warranty, express or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the H.B. Fuller Company assumes no responsibility from use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.

**BEST AVAILABLE COPY**

# Monarch Product Information

10 Q 11

## MONARCH CLX

EPA REGISTRATION NUMBER 4524-42

A highly concentrated, powdered, EPA registered sanitizer for use in dairy, beverage and food processing applications.

### FEATURES

Highly concentrated and economical

Excellent chlorine stability

Broad spectrum microbial control

### BENEFITS

Provides excellent cost/performance advantages when compared with other powdered chlorine sources and liquid hypochlorite.

When compared with hypochlorite solutions, CLX provides excellent chlorine stability

Effective against a wide range of organisms including bacteriophage and mold.

### SPECIFICATIONS:

Physical State .....	White granular powder
pH (1% solution) .....	6.3
Available chlorine.....	62.5%
Foam Level .....	None
Freezing Point .....	None
Rinsibility .....	Excellent
Storage Stability .....	Excellent

**ACTIVE INGREDIENT:** Sodium dichloro-s-triazinetriene - 99%

**USDA AUTHORIZATIONS:** D-2 (Sanitizer for food contact surfaces not requiring a rinse.  
Q-4 (Egg shell sanitizing)

### DIRECTIONS FOR USE:

**PREPARATION:** Remove gross soils by flushing with water, scraping or brushing. Preclean all surfaces. Rinse thoroughly with potable water.

**SANITIZING HARD NON-POROUS SURFACES** (glass or stainless, fillers, pipelines, silos, processing vats, bulk tanks and utensils): To sanitize previously cleaned equipment and utensils dip, brush or spray equipment with a solution of CLX at 1 ounce to 45 gallons of water. Provides 100 ppm available chlorine. Allow at least 2 minutes contact time. Allow equipment to drain well; blow off air dry. Fresh solutions should be prepared daily or when solution appears dirty. For mechanical applications, used sanitizing solutions may not be reused for sanitizing applications.

**BEST AVAILABLE COPY**

EGG SANITIZING: Eggs must first be washed and rinsed with an approved egg cleaning compound.

EGGS FOR BREAKING: Washed eggs shall be spray rinsed, not immersed, with a concentration of not less than 100 ppm or not more than 200 ppm of available chlorine.

EGGS FOR PACKING: Washed eggs shall be spray rinsed, not immersed with a concentration of not less than 50 ppm or not more than 200 ppm of available chlorine.

DILUTION: 1 oz in 45 gallons water - 100 ppm chlorine.

Always use freshly prepared solution

Mix only with water. Do not mix with acids.

**WARNING STATEMENT:** DANGER - CORROSIVE - CAUSES EYE AND SKIN DAMAGE. DO NOT GET IN EYES, ON SKIN OR IN CLOTHING. WEAR GOGGLES AND RUBBER GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. AVOID BREATHING DUST. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. CONSULT MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

FOR INDUSTRIAL USE ONLY.

Medical personnel familiar with this product are available 24 hours a day, 7 days a week.

Toll Free Medical Emergency Number:  
1/800/228-5635.

**PACKAGE SIZES:** 2 x 10 pounds, 100 pounds

**DOT CLASSIFICATION:** Sodium Dichloro-s-Triazinetrione Oxidizer, UN 2465, Dry (contains more than 39% available chlorine)

**BEST AVAILABLE COPY**