

# Magic Economy Bleach

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
Revision Date: 08/08/2016 Date of issue: 05/27/2016

Version: 2.1

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Magic Economy Bleach

**Product Code:** 16400, 16405

\*This document is intended to be used for safety in the workplace only, and is not a consumer document.

#### 1.2. Intended Use of the Product

Laundry chlorine bleach.

#### 1.3. Name, Address, and Telephone of the Responsible Party

Faultless Starch/ Bon Ami Co.

1025 W 8th St.

Kansas City, MO 64101 USA

T: 1-816-842-1230

[www.faultless.com](http://www.faultless.com)

#### 1.4. Emergency Telephone Number

**Emergency Number** : 1-800-424-9300 (for emergencies) CHEMTREC

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-US classification

Ox. Sol. 2 H272

Acute Tox. 3 (Inhalation:dust,mist) H331

Skin Corr. 1C H314

Eye Dam. 1 H318

STOT SE 3 H335

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

#### 2.2. Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Danger

##### Hazard Statements (GHS-US)

: H272 - May intensify fire; oxidizer.  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.  
H331 - Toxic if inhaled.  
H335 - May cause respiratory irritation.  
H400 - Very toxic to aquatic life.  
H410 - Very toxic to aquatic life with long lasting effects.

##### Precautionary Statements (GHS-US)

: P210 - Keep away from heat, hot surfaces, open flames, sparks. No smoking.  
P220 - Keep/Store away from combustible material, oxidizable materials, and incompatible materials.  
P221 - Take any precaution to avoid mixing with combustible material, oxidizable materials, and incompatible materials.  
P260 - Do not breathe vapors, mist, or spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.

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P273 - Avoid release to the environment.  
P280 - Wear eye protection, face shield, protective clothing, protective gloves.  
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P311 - Call a poison center or doctor.  
P321 - Specific treatment (see section 4 on this SDS).  
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use water in large amounts to extinguish.  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. This product has a strong buffering capacity. If solid is in contact with moist skin it may cause severe burns if not promptly removed. May be corrosive to the respiratory tract, product may cause pulmonary edema. Contact with acids may liberate toxic gases. If damp or wet, product may liberate nitrogen trichloride which poses an explosion hazard.

### 2.4. Unknown Acute Toxicity (GHS-US) No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixture

Name	Product Identifier	% (w/w)
Sodium dichloroisocyanurate dihydrate	(CAS No) 51580-86-0	45 - 55

Full text of H-phrases: see section 16

\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**General:** If you feel unwell, seek medical advice (show the label if possible). Never give anything by mouth to an unconscious person.

**Inhalation:** First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Skin Contact:** Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Wash contaminated clothing before reuse. Get immediate medical advice/attention.

**Eye Contact:** Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Ingestion:** Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Toxic if inhaled. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.

**Inhalation:** Toxic if inhaled. May be corrosive to the respiratory tract, or cause irritation of the respiratory tract and the other mucous membranes.

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**Skin Contact:** Causes severe irritation which will progress to chemical burns. May cause burns or severe irritation in contact with water or moisture on skin.

**Eye Contact:** Causes serious eye damage. Symptoms may include: Redness. Pain. Blurred vision. Severe burns. Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** May be harmful if ingested in large quantities. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** None expected under normal conditions of use.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand. This material is more irritating to the skin and eyes in the presence of water. For prolonged exposures and significant exposures, consider the possibility of delayed injury to exposed tissues.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water in large amounts.

**Unsuitable Extinguishing Media:** Do not use water jet. Use of heavy stream of water may spread fire. Do not use ABC dry chemical agents or halogenated compounds.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not flammable but will support combustion. May intensify fire; oxidizer. May cause fire or explosion. If the product is involved in a fire, it can release toxic chlorine gases.

**Explosion Hazard:** Product is not explosive but may evolve explosive chlorine dioxide gas when pressurized or heated. Wet material may generate nitrogen trichloride, an explosion hazard. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Reactivity:** Oxidizer: increases the burning rate of combustible materials. May react with reducing agents and an ignition source to create explosive mixtures. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Under fire conditions, hazardous fumes will be present. Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Formation of toxic gases is possible during heating or fire. May include oxides of carbon, nitrogen and products of chlorine. Hydrogen chloride gas. Sodium oxides.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep away from combustible material. Do not get in eyes, on skin, or on clothing. Do not breathe dust.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. Eliminate ignition sources. Stop leak if safe to do so. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

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### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** As an immediate precautionary measure, isolate spill or leak area in all directions. Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. If spill is in liquid form: cautiously neutralize spilled liquid. Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or sweeping. Vacuum should have an appropriate HEPA filter. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Avoid dust production. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. May cause or intensify fire; oxidizer.

**Precautions for Safe Handling:** Do not handle until all safety precautions have been read and understood. Do NOT get in eyes, on skin or on clothing. Do not breathe dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from heat, sparks, open flames, hot surfaces, combustible materials, incompatible materials. No smoking. Use only outdoors or in a well-ventilated area. Handle empty containers with care because they may still present a hazard. Do not add water to product. Always add the product to the water for dilution/mixture.

**Hygiene Measures:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Avoid creating or spreading dust.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Keep in fireproof place. Store in original container or corrosive resistant and/or lined container.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Chlorine. Ammonia. Reducing agents. Organic solvents. Organic compounds. Flammable materials.

### 7.3. Specific End Use(s)

Laundry chlorine bleach.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gas detectors should be used when toxic gases may be released. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Face shield.



**Materials for Protective Clothing:** Chemically resistant and corrosion proof materials and fabrics.

**Hand Protection:** Impermeable protective gloves.

**Eye Protection:** Chemical safety goggles and face shield.

**Skin and Body Protection:** Wear suitable protective clothing.

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**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Other Information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: White powder
Odor	: Chlorine
Odor Threshold	: Not available
pH	: 5.9 - 6.9 (1% Solution)
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Water: Complete
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

### SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** Oxidizer: increases the burning rate of combustible materials. May react with reducing agents and an ignition source to create explosive mixtures. May react exothermically with water, releasing heat.

**10.2. Chemical Stability:** May cause fire or explosion; strong oxidizer. Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Moisture. Direct sunlight, extremely high or low temperatures, ignition sources, combustible materials, incompatible materials.

**10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Chlorine. Ammonia. Reducing agents. Organic solvents. Organic compounds. Flammable materials.

**10.6. Hazardous Decomposition Products:** Thermal decomposition generates: Sodium oxides. Formation of toxic gases is possible during heating or fire. May include oxides of carbon, nitrogen and products of chlorine. Hydrogen chloride gas. Thermal decomposition generates : Corrosive vapors.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on Toxicological Effects - Product

**Acute Toxicity:** Inhalation:dust,mist: Toxic if inhaled.

**LD50 and LC50 Data:**

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ATE US (dust, mist)	0.54 - 2.34 mg/l/4h

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**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

**pH:** 5.9 - 6.9 (1% Solution)

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**pH:** 5.9 - 6.9 (1% Solution)

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Toxic if inhaled. May be corrosive to the respiratory tract. Irritation of the respiratory tract and the other mucous membranes.

**Symptoms/Injuries After Skin Contact:** Causes severe irritation which will progress to chemical burns. May cause burns or severe irritation in contact with water or moisture on skin.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage. Symptoms may include: Redness. Pain. Blurred vision. Severe burns. Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** May be harmful if ingested in large quantities. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** None expected under normal conditions of use.

### 11.2. Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

Sodium dichloroisocyanurate dihydrate (51580-86-0)	
LD50 Oral Rat	1671 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
ATE US (dust, mist)	0.05 mg/l/4h

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and Degradability

Magic Economy Bleach	
Persistence and Degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative Potential

Magic Economy Bleach	
Bioaccumulative Potential	Not established.

**12.4. Mobility in Soil** Not available

### 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Sewage Disposal Recommendations:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology – Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

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### SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

#### 14.1. In Accordance with DOT

**Proper Shipping Name** : OXIDIZING SOLID, CORROSIVE, N.O.S. (Sodium dichloroisocyanurate dihydrate)  
**Hazard Class** : 5.1  
**Identification Number** : UN3085  
**Label Codes** : 5.1, 8  
**Packing Group** : II  
**Marine Pollutant** : Marine pollutant  
**ERG Number** : 140



#### 14.2. In Accordance with IMDG

**Proper Shipping Name** : OXIDIZING SOLID, CORROSIVE, N.O.S. (Sodium dichloroisocyanurate dihydrate)  
**Hazard Class** : 5.1  
**Division** : 5.1  
**Subsidiary Risk(s)** : 8  
**Identification Number** : UN3085  
**Packing Group** : II  
**Label Codes** : 5.1, 8  
**EmS-No. (Fire)** : F-A  
**EmS-No. (Spillage)** : S-Q  
**Marine Pollutant** : Marine pollutant



#### 14.3. In Accordance with IATA

**Proper Shipping Name** : OXIDIZING SOLID, CORROSIVE, N.O.S. (Sodium dichloroisocyanurate dihydrate)  
**Packing Group** : II  
**Identification Number** : UN3085  
**Hazard Class** : 5.1  
**Label Codes** : 5.1, 8  
**Division** : 5.1  
**Subsidiary Risk(s)** : 8  
**ERG Code (IATA)** : 5C



#### 14.4. In Accordance with TDG

**Proper Shipping Name** : OXIDIZING SOLID, CORROSIVE, N.O.S. (Sodium dichloroisocyanurate dihydrate)  
**Packing Group** : II  
**Hazard Class** : 5.1  
**Identification Number** : UN3085  
**Label Codes** : 5.1, 8  
**Marine Pollutant (TDG)** : Marine pollutant



### SECTION 15: REGULATORY INFORMATION

<b>Magic Economy Bleach</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Fire hazard Immediate (acute) health hazard Reactive Hazard

#### 15.1. US Federal Regulations

Neither this product nor its chemical components appear on any US federal lists.

#### 15.2. US State Regulation





<b>Sodium dichloroisocyanurate dihydrate (51580-86-0)</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List

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### 15.3. Canadian Regulations

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WHMIS Classification	Class C - Oxidizing Material Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class E - Corrosive Material Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
			

Sodium dichloroisocyanurate dihydrate (51580-86-0)	
WHMIS Classification	Class C - Oxidizing Material Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 08/08/2016  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Ox. Sol. 2	Oxidizing solids Category 2
Skin Corr. 1C	Skin corrosion/irritation Category 1C
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H272	May intensify fire; oxidizer
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

#### Party Responsible for the Preparation of This Document

Faultless Starch/ Bon Ami Co.: 1-816-842-1230 (for product information); 1-800-424-9300 (for emergencies)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

NA GHS SDS