SECTION 1: IDENTIFICATION

Product Identifier
Product Name: Ultimate Mildew Stain Remover
Product Code: 986XX

Intended Use of the Product
Use of the Substance/Mixture: Cleaner.

Name, Address, and Telephone of the Responsible Party
Company
Starbrite® Distribution
4041 SW 47th Avenue
Fort Lauderdale, FL 33314
(954)587-6280
www.starbrite.com

Emergency Telephone Number
Emergency number: US: (800) 424-9300; International: (703) 527-3887 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US)
Skin Irrit. 2 H315
Eye Irrit. 2A H319

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US)

Signal Word (GHS-US)
: Warning

Hazard Statements (GHS-US)
: H315 - Causes skin irritation
    H319 - Causes serious eye irritation

Precautionary Statements (GHS-US)
: P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
    P280 - Wear eye protection, protective gloves, protective clothing.
    P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
    P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    P321 - Specific treatment (see Section 4).
    P332+P313 - If skin irritation occurs: Get medical advice/attention.
    P337+P313 - If eye irritation persists: Get medical advice/attention.
    P362 - Take off contaminated clothing and wash before reuse.
    P391+P501 - Collect spillage. Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards
Aquatic Acute 2
Aquatic Chronic 3
H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects
P273 - Avoid release to the environment

Unknown Acute Toxicity (GHS-US) Not available
Ultimate Mildew Stain Remover

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
</table>
| Sodium hypochlorite | (CAS No) 7681-52-9 | 1 - 2.49 | Met. Corr. 1, H290
| | | | Skin Corr. 1B, H314
| | | | Eye Dam. 1, H318
| | | | STOT SE 3, H335
| | | | Aquatic Chronic 1, H410 |

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists. Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention. Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Irritation to eyes, skin and respiratory tract. Inhalation: May cause irritation to the respiratory tract. Skin Contact: Causes skin irritation. Eye Contact: Causes serious eye irritation. Ingestion: Ingestion is likely to be harmful or have adverse effects. Chronic Symptoms: Prolonged or repeated exposure could cause dermatitis and defatting.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture


Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Firefighting Instructions: Do not allow run-off from fire fighting to enter drains or water courses. Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Hazardous Combustion Products: Carbon oxides (CO, CO₂). Chlorine gas. Sodium oxides.

Reference to Other Sections Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

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**Environmental Precautions** Prevent entry to sewers and public waters.

**Methods and Material for Containment and Cleaning Up**

For Containment: Absorb and/or contain spill with inert material, then place in suitable container.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

**Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for Safe Handling**

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

**Conditions for Safe Storage, Including Any Incompatibilities**

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.


**Specific End Use(s)** Cleaner.

**SECTION 8: EXPOSURE CONTROLS/PERS ONAL PROTECTION**

**Control Parameters** No additional information available

**Exposure Controls**

Appropriate Engineering Controls: Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be in the immediate vicinity of potential exposure.


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

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or face shield.

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

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>12; alkaline reserve is: 1.2 grams/100 mL</td>
</tr>
<tr>
<td>Relative Evaporation Rate (butylacetate=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100 °C (212 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 100 °C (212 °F)</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper and Lower Flammable Limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>1.1 (water = 1) at 20 °C (68 °F)</td>
</tr>
</tbody>
</table>
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SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts exothermically with (some) acids.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Contact with metallic substances.
Hazardous Decomposition Products: Carbon oxides (CO, CO\(_2\)). Chlorine gas. Sodium oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Causes skin irritation. (pH: 12; alkaline reserve is: 1.2 grams/100 mL)
Serious Eye Damage/Irritation: Causes serious eye irritation. (pH: 12; alkaline reserve is: 1.2 grams/100 mL)
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: May cause irritation to the respiratory tract.
Symptoms/Injuries After Skin Contact: Causes skin irritation.
Symptoms/Injuries After Eye Contact: Causes serious eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Information on Toxicological Effects - Ingredient(s)
LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Sodium hypochlorite (7681-52-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
</tr>
</tbody>
</table>

Sodium hypochlorite (7681-52-9)
IARC Group 3

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Ecology - General: Toxic to aquatic life. May cause long lasting harmful effects to aquatic life.

<table>
<thead>
<tr>
<th>Sodium hypochlorite (7681-52-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
</tr>
<tr>
<td>LC 50 Fish 2</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
</tr>
</tbody>
</table>
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**Persistence and Degradability** Not available
**Bioaccumulative Potential** Not available
**Mobility in Soil** Not available
**Other Adverse Effects** Avoid release to the environment

### SECTION 13: DISPOSAL CONSIDERATIONS

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

**Ecology – Waste Materials:** Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

**In Accordance With ICAO/IATA/DOT/TDG**

**UN Number**
- UN-No. (DOT) : Not regulated for transport
- UN-No. (IMDG) : Not regulated for transport
- UN-No. (IATA and IMDG) : Not regulated for transport

**UN Proper Shipping Name** Not applicable

**Transport Hazard Class(es)** Not applicable

**Additional Information** No additional information available

**Transport by sea** Not applicable

**Air transport** Not applicable

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

**Ultimate Mildew Stain Remover**

**SARA Section 311/312 Hazard Classes** Immediate (acute) health hazard

**Sodium hypochlorite (7681-52-9)**

- Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### US State Regulations

**Sodium hypochlorite (7681-52-9)**

- U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
- U.S. - Louisiana - Reportable Quantity List for Pollutants
- U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1 and 2
- U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity
- U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 and 2
- RTK - U.S. - Massachusetts - Right To Know List
- U.S. - Massachusetts - Toxics Use Reduction Act
- U.S. - Michigan - Polluting Materials List
- U.S. - Minnesota - Hazardous Substance List
- U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
- RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - New Jersey - Special Health Hazards Substances List
- U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
- RTK - U.S. - Pennsylvania - RTK (Right to Know) List and Environmental Hazard List
- U.S. - Texas - Effects Screening Levels - Long Term and Short Term

#### Canadian Regulations

**Ultimate Mildew Stain Remover**

**WHMIS Classification** Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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<table>
<thead>
<tr>
<th>Sodium hypochlorite (7681-52-9)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List) inventory.</td>
<td></td>
</tr>
<tr>
<td>Listed on the Canadian Ingredient Disclosure List</td>
<td></td>
</tr>
<tr>
<td>IDL Concentration</td>
<td>1 %</td>
</tr>
<tr>
<td>WHMIS Classification</td>
<td>Class E - Corrosive Material</td>
</tr>
</tbody>
</table>

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:** 08/28/2014  
**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:**

<table>
<thead>
<tr>
<th>Aquatic Acute 2</th>
<th>Hazardous to the aquatic environment - Acute Hazard Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 3</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Met. Corr. 1</td>
<td>Corrosive to metals Category 1</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation Category 1B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H290</td>
<td>May be corrosive to metals</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

**NFPA Health Hazard:** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA Fire Hazard:** 1 - Must be preheated before ignition can occur.

**NFPA Reactivity:** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

**Party Responsible for the Preparation of This Document**
Starbrite®  
Phone Number: (954)587-6280

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.