

ISSUE DATE: 8/26/2019

## I PRODUCT AND COMPANY IDENTIFICATION

### GHS PRODUCT IDENTIFIER:

TRADE NAME; MOLD AND MILDEW STAIN REMOVER

### OTHER MEANS OF IDENTIFICATION:

### RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: BLEACHING AND CLEANING AGENT

### SUPPLIER'S DETAILS:



BIOESQUE SOLUTIONS  
150 EAST PALMETTO PARK ROAD  
SUITE 110  
BOCA RATON, FLORIDA 33432  
(800) 921-4634  
[www.bioesquesolutions.com](http://www.bioesquesolutions.com)

### 24Hour Emergency telephone number:

INFOTRAC: (800) 535-5053

## II HAZARD IDENTIFICATION

### GHS CLASSIFICATION:

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

#### **PHYSICAL HAZARDS:**

CORROSIVE TO METALS CATEGORY 1

#### **HEALTH HAZARDS:**

SERIOUS EYE DAMAGE/ IRRITATION CATEGORY 1  
SKIN CORROSION/IRRITATION CATEGORY 1B

#### **ENVIRONMENTAL HAZARDS:**

HAZARDOUS TO THE AQUATIC ENVIRONMENT ACUTE 1/ CHRONIC 1

### LABEL ELEMENTS:

**SIGNAL WORD: DANGER**

### **HAZARD STATEMENTS:**

May be corrosive to metals  
Causes severe skin burn and eye damage  
Causes serious eye damage  
Very toxic to aquatic life with long lasting effects

**HAZARD SYMBOLS:****PRECAUTIONARY STATEMENTS:**

Keep out of reach of children  
 Keep away from heat  
 Keep only in original container  
 Do not breath mist or vapor  
 Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid release to the environment

**PRECAUTIONARY STATEMENTS (RESPONSE):**

IF SWALLOWED: **Rinse mouth. Do not induce vomiting. Immediately call a poison control center/doctor/ or physician.**  
 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
 IF ON SKIN (or hair): **Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse cautiously with water for several minutes. Rinse skin with water shower. Immediately call a doctor or physician.**  
 IF INHALED: **Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor or physician.**  
 IF IN EYES: **Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately call a poison control center/doctor/ or physician.**

In case of fire: Fight fire remotely due to the risk of explosion. Use powder, foam and co2. Evacuate area.

Collect spillage.

**PRECAUTIONARY STATEMENTS (STORAGE)**

Keep out of reach of children. Store locked up. Store in a corrosive resistant plastic container. Store in a well ventilated place. Keep container tightly closed.

**PRECAUTIONARY STATEMENTS (DISPOSAL):**

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

**OTHER HAZARDS:**

Repeated or prolonged exposure can cause skin dryness or cracking.

**III COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
SODIUM HYPOCHLORITE	7681-52-9	5-10
SODIUM CHLORIDE	7647-14-5	1-7
SODIUM HYDROXIDE	1310-73-2	0-1

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

**IV FIRST AID MEASURES**

INGESTION: If swallowed, wash out mouth with water. Do not induce vomiting unless told to do so by a doctor or professional healthcare provider. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** In case of accidental skin contact, rinse skin and contaminated clothing before removal, remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. Call a doctor or physician immediately.

**INHALATION:** Move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**EYE CONTACT:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention/advice.

### **Most Important Symptoms and Effects, Acute and Delayed**

**INGESTION:** Symptoms may include diarrhea, gastric pain, and vomiting. Causes digestive tract burns.

**SKIN CONTACT:** Symptoms may include burning pain and severe corrosive skin damage.

**INHALATION:** Symptoms include irritation of respiratory tract,

**EYE CONTACT:** Symptoms may include stinging, tearing, redness and blurred vision. Permanent eye damage could result. Rinse eyes with water as soon as possible.

### **Indication of immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically. For chemical burns, keep under supervision, as symptoms could be delayed.

## **V FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Powder, foam, carbon dioxide

**Unsuitable extinguishing media-** Do not use water jet, as it will spread the fire.

**Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase can occur and the container may burst. During fire, gases may be formed hazardous to health.

**Hazardous thermal decomposition products:** chlorine, hydrogen chloride, irritating gases

**Special protective actions for fire-fighters:** No action shall be taken involving any personal risk or without suitable training. SCBA and suitable clothing must be worn.

**Special protective equipment for fire-fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **VI ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Avoid breathing mists. Put on appropriate personal protective equipment. Wear appropriate respirator when ventilation is inadequate.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

**Environmental precautions:** Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

**Methods and materials for containment and cleaning up.**

**Small spill:** Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## VII HANDLING AND STORAGE

**Precautions for Safe Handling:**

**Safe Handling Advice:** Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Emptied containers can contain product residues and require handling with all safety precautions in mind listed on this sds. Do not reuse container and dispose of in accordance with federal, state and local regulations.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

**Conditions for safe storage including any incompatibilities:**

Store in original container in a dry, cool and well ventilated area away from ammonia and combustibles, (see section 10) and food and drink. Keep container tightly closed when not in use and away from children. Do not store in unlabeled containers. Do not freeze.

## VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control Parameters</b>	<b>Occupational Exposure Limits</b>			
	<b>Ingredient Identity</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
Sodium Hydroxide	2mg/m3		2mg/m3	2mg/m3

### **Appropriate Engineering Controls**

**Engineering Controls:** Use only with adequate ventilation. General room ventilation is required. Local mechanical ventilation may be necessary if working with this product in enclosed areas and/or at elevated temperatures. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces.

### **Individual protection measures, such as personal protective equipment. (PPE)**

**Eye/Face Protection:** Wear approved tightly sealed safety glasses. Wear additional eye protection such as chemical safety goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

**Skin & Body Protection:** Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves and aprons are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection:** If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator with cartridge approved for sodium hypochlorite bleach/sodium hydroxide and dust/mist filter in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## **IX PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: yellowish liquid

Odor: chlorine

Odor threshold: n/a

pH: 12-14

Melting Point/Freezing Point: N.D.

Initial Boiling Point/Range: <230F

Flash Pt: not available

Evaporation Rate: not available (butyl acetate=1)

Lower explosive limits: not available

Upper explosive limits: not available

Vapor Pressure: 12mmHg @25C

Vapor Density: Not available (air=1)

Relative Density: 1.18

Solubility in water: Soluble

Partition coefficient: not applicable

Auto ignition temp: not applicable

Decomposition Temp: not available

Viscosity: pourable liquid, water thin viscosity

## **SAFETY DATA SHEET**

## **TRADE NAME: MOLD AND MILDEW STAIN REMOVER**

## **X STABILITY AND REACTIVITY**

Reactivity: Product greatly increases the burning rate of combustible materials. React violent with strong acids.  
This product may react with oxidizing agents and may be corrosive to metals.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Reacts with strong acids, oxidizing agents. Hazardous polymerization does  
not occur.

Conditions to Avoid: elevated temperatures, do not mix with incompatible materials.

Incompatible Materials: Oxidizing materials, strong acids, acids, combustible materials, metals, alkalis, bases, ammonia

Hazardous Decomposition Products: chlorine, hydrogen chloride.

## **XI TOXICOLOGICAL INFORMATION**

**Acute toxicity: not classified,**

**Skin corrosion irritation: Classified category 1B, Causes severe skin burns and eye damage**

**Serious Eye damage: Classified, category 1, causes serious eye damage**

**Sensitization: Not classified,**

**Mutagenicity: Not classified,**

**Carcinogenicity: Not classified**

**Reproductive Toxicity: No data available**

**Teratogenicity: No data Available**

### **Specific target Organ Toxicity (single exposure)**

**Not classified**

### **Specific target Organ Toxicity (repeated exposure):**

<u>Name</u>	<u>category</u>	<u>route of exposure</u>	<u>target organs</u>
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**Not classified**

**Aspiration Hazard:**

**No Data**

**SAFETY DATA SHEET**

**TRADE NAME: MOLD AND MILDEW STAIN REMOVER**

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**Information on the likely routes of exposure:**

**Ingestion:** harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation.

**Skin:** Causes skin burns.

**Eye:** Causes serious eye irritation. Rinse eyes as soon as possible after contact.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Ingestion:** See section iv, most important symptoms and effects, acute and delayed.

**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.

**Skin:** See section iv, most important symptoms and effects, acute and delayed.

**Eye:** See section iv, most important symptoms and effects, acute and delayed.

**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

**Numerical measures of Toxicity**

Sodium hypochlorite 12% LD50 mouse 21597 mg/kg estimated

Sodium hypochlorite (7681-52-9) 100% LD50 mouse 5800 mg/kg actual

**XII ECOLOGICAL INFORMATION**

**Toxicity:**

Sodium Hypochlorite 12.5% EC50 Nittochera spinipes 40mg/l 96hrs

LC50 fish 12.51 mg/l 96 hrs estimated

**Bioaccumulation Potential:**

No data

**Mobility in Soil:**

No data

**Other adverse Effects:**

No known significant effects or critical hazards

**XIII DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable federal, state and local regulations.

**XIV TRANSPORT INFORMATION**

**DOT:** UN1791, HYPOCHLORITE SOLUTIONS, 8, PGIII  
**IATA:** NOT DETERMINED  
**IMDG:** NOT DETERMINED

**XV REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:** All ingredients are listed or exempted with TSCA.

SARA 302/304: No products were found.

SARA 311/312: Yes,

SARA 313: No products found

RIGHT TO KNOW: NJ, Mass, Penn, Rhode Island: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite  
(7681-52-9)

California Prop 65: No products found

**XVI OTHER INFORMATION**

HMIS RATING: HEALTH (3) FIRE (0) REACTIVITY (2) PP-X  
4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

**NOTICE TO READER:**

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