



# SAFETY DATA SHEET

Issuing Date January 5, 2015

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Clorox Healthcare® Bleach Germicidal Cleaner

### Other means of identification

EPA Registration Number 53692-7

### Recommended use of the chemical and restrictions on use

Recommended use Disinfecting bleach spray

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

The Clorox Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

#### **Emergency Phone Numbers**

For Medical Emergencies call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### GHS Label elements, including precautionary statements

#### Emergency Overview

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                   |                  |                       |             |             |                        |
|-------------------|------------------|-----------------------|-------------|-------------|------------------------|
| <b>Appearance</b> | Clear, colorless | <b>Physical State</b> | Thin liquid | <b>Odor</b> | Fruity, floral, bleach |
|-------------------|------------------|-----------------------|-------------|-------------|------------------------|

### Precautionary Statements - Prevention

None

### Precautionary Statements - Response

None

### Precautionary Statements - Storage

None

### Precautionary Statements - Disposal

None

### Hazards not otherwise classified (HNOC)

Not applicable

### Unknown Toxicity

0.03% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

No information available

### Interactions with Other Chemicals

Reacts with ammonia or acids such as vinegar, rust removers, or toilet bowl cleaners to produce hazardous gases, such as chlorine and other chlorinated compounds.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances that at their given concentrations are considered to be hazardous to health.

#### 4. FIRST AID MEASURES

##### First aid measures

|                       |                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b> | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                        |
| <b>Eye Contact</b>    | Hold eye open and rinse slowly and gently with water for 15–20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice. |
| <b>Skin Contact</b>   | Rinse skin with plenty of water. If irritation persists, call a doctor.                                                                                                                                                                         |
| <b>Inhalation</b>     | Move to fresh air. If breathing problems develop, call a doctor.                                                                                                                                                                                |
| <b>Ingestion</b>      | Drink a glassful of water. Call a doctor or poison control center.                                                                                                                                                                              |

##### Most important symptoms and effects, both acute and delayed

|                                            |                           |
|--------------------------------------------|---------------------------|
| <b>Most Important Symptoms and Effects</b> | May cause eye irritation. |
|--------------------------------------------|---------------------------|

##### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

##### Specific Hazards Arising from the Chemical

##### **Hazardous Combustion Products**

Oxides of carbon.

##### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Personal Precautions | Avoid contact with eyes.                                 |
| Other Information    | Refer to protective measures listed in Sections 7 and 8. |

### Environmental precautions

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Environmental Precautions | See Section 12 for additional ecological information. |
|---------------------------|-------------------------------------------------------|

### Methods and material for containment and cleaning up

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for Containment | Prevent further leakage or spillage if safe to do so.                                                                                                                |
| Methods for Cleaning Up | Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

|          |                                                                                                                                                                          |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product. |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Conditions for safe storage, including any incompatibilities

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Storage               | Keep containers tightly closed in a dry, cool, and well-ventilated place. |
| Incompatible Products | Ammonia or acids such as vinegar, rust removers, or toilet bowl cleaners. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

|                     |                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure Guidelines | This product does not contain any ingredients with occupational exposure limits that are at concentrations below their cut-off values/concentrations and that contribute to the hazard classification of the product. |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Appropriate engineering controls

|                      |                                                    |
|----------------------|----------------------------------------------------|
| Engineering Measures | Showers<br>Eyewash stations<br>Ventilation systems |
|----------------------|----------------------------------------------------|

### Individual protection measures, such as personal protective equipment

|                          |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/Face Protection      | No special protective equipment required.                                                                                                |
| Skin and Body Protection | No special protective equipment required.                                                                                                |
| Respiratory Protection   | No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required. |
| Hygiene Measures         | Handle in accordance with good industrial hygiene and safety practice.                                                                   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |             |                       |                          |
|-----------------------|-------------|-----------------------|--------------------------|
| <b>Physical State</b> | Thin liquid | <b>Odor</b>           | Fruity, floral, bleach   |
| <b>Appearance</b>     | Clear       | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | Colorless   |                       |                          |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ Method</u> |
|----------------------------------------|-------------------|------------------------|
| pH                                     | 12 - 12.7         | None known             |
| Melting/freezing point                 | No data available | None known             |
| Boiling point / boiling range          | No data available | None known             |
| Flash Point                            | No data available | None known             |
| Evaporation rate                       | No data available | None known             |
| Flammability (solid, gas)              | No data available | None known             |
| Flammability Limits in Air             |                   |                        |
| Upper flammability limit               | No data available | None known             |
| Lower flammability limit               | No data available | None known             |
| Vapor pressure                         | No data available | None known             |
| Vapor density                          | No data available | None known             |
| Specific Gravity                       | ~1.0              | None known             |
| Water Solubility                       | Complete          | None known             |
| Solubility in other solvents           | No data available | None known             |
| Partition coefficient: n-octanol/water | No data available | None known             |
| Autoignition temperature               | No data available | None known             |
| Decomposition temperature              | No data available | None known             |
| Kinematic viscosity                    | No data available | None known             |
| Dynamic viscosity                      | No data available | None known             |
| Explosive Properties                   | Not explosive     |                        |
| Oxidizing Properties                   | No data available |                        |

### Other Information

|                            |                   |
|----------------------------|-------------------|
| Softening Point            | No data available |
| VOC Content (%)            | No data available |
| Particle Size              | No data available |
| Particle Size Distribution | No data available |

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with ammonia or acids such as vinegar, rust removers, or toilet bowl cleaners to produce hazardous gases, such as chlorine and other chlorinated compounds.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Ammonia or acids such as vinegar, rust removers, or toilet bowl cleaners.

### Hazardous Decomposition Products

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Exposure to vapor or mist may irritate respiratory tract.                             |
| <b>Eye Contact</b>  | May cause irritation.                                                                 |
| <b>Skin Contact</b> | May cause slight irritation.                                                          |
| <b>Ingestion</b>    | Ingestion may cause slight irritation to mucous membranes and gastrointestinal tract. |

**Component Information**

| Chemical Name                    | LD50 Oral        | LD50 Dermal           | LC50 Inhalation |
|----------------------------------|------------------|-----------------------|-----------------|
| Sodium hypochlorite<br>7681-52-9 | 8200 mg/kg (Rat) | >10000 mg/kg (Rabbit) | -               |

**Information on toxicological effects**

**Symptoms** Liquid may cause redness and tearing of eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium hypochlorite<br>7681-52-9 | -     | Group 3 | -   | -    |

*IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** Respiratory system, eyes, skin, gastrointestinal tract (GI).

**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

No information available.

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**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No information available.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal methods**

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

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated.

**TDG** Not regulated.

**ICAO** Not regulated.

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION****Chemical Inventories**

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard                   | No |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                      |                        |                           | X                          |
| Sodium hydroxide<br>1310-73-2    | 1000 lb                     |                        |                           | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                    | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                                        |
|----------------------------------|--------------------------|------------------------------------|-------------------------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                   |                                    | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |
| Sodium hydroxide<br>1310-73-2    | 1000 lb                  | -                                  | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                    | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|----------------------------------|------------|---------------|--------------|--------------|----------|
| Sodium hypochlorite<br>7681-52-9 | X          | X             | X            | X            |          |
| Sodium hydroxide<br>1310-73-2    | X          | X             | X            | X            |          |

**International Regulations****Canada****WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION**

**NFPA**      Health Hazard   1      Flammability   0      Instability   0      Physical and Chemical Hazards   -

**HMIS**      Health Hazard   1      Flammability   0      Physical Hazard   0      Personal Protection   -

**Prepared By**      Product Stewardship  
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1-800-572-6501

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**Revision Note**      New

**Reference**      CLX166469-001/1138504/166469.001

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**