



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date November 27, 2015

Revision Number 1

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

### Product identifier

**Product Name** Clorox® Pro Quaternary All-Purpose Disinfectant Cleaner<sub>1</sub>

### Other means of identification

**EPA Registration Number** 1839-166-67619

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

**Recommended use** Institutional hard surface disinfecting cleaner

**Uses advised against** No information available

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

#### **Supplier Address**

Clorox Professional Products 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 chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 1 |
| Serious eye damage/eye irritation | Category 1 |

### GHS Label elements, including precautionary statements

#### Emergency Overview

|   |  |                       |                    |
|---|--|-----------------------|--------------------|
| <b>Signal word</b>  | <b>Danger</b>  |                       |                    |
| <b>Hazard Statements</b>  | Causes severe skin burns and eye damage<br>Causes serious eye damage |                       |                    |
|  |  |                       |                    |
| <b>Appearance</b>   | Clear, blue  | <b>Physical State</b> | Thin liquid        |
|   |  |                       | <b>Odor</b> Marine |

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves, protective clothing, face protection, and eye protection such as safety glasses.

### Precautionary Statements - Response

Immediately call a poison center or doctor.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Specific treatment (see supplemental first aid instructions on this label).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Precautionary Statements - Storage

Store locked up.

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal in accordance with all applicable federal, state, and local regulations.

### Hazards not otherwise classified (HNOC)

None known.

### Unknown Toxicity

9.7% of the mixture consists of ingredients of unknown toxicity

### Other information

Harmful to aquatic life with long lasting effects. Toxic to aquatic life.

### Interactions with Other Chemicals

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name   | CAS-No     | Weight % | Trade Secret |
|---|------------|----------|--------------|
| n-Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride | 68424-85-1 | 4 - 5    | *            |
| Octyl decyl dimethyl ammonium chloride                                | 32426-11-2 | 3 - 4    | *            |
| Didecyl dimethyl ammonium chloride                                    | 7173-51-5  | 1 - 2    | *            |
| Diocetyl dimethyl ammonium chloride                                   | 5538-94-3  | 1 - 2    | *            |
| Tetrasodium EDTA  | 64-02-8    | 1 - 5    | *            |
| Ethanol   | 64-17-5    | 1 - 5    | *            |

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### First aid measures

|                                   |  |
|-----------------------------------|--|
| <b>General Advice</b>             | Call a poison control center or doctor immediately for treatment advice. 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. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  |
| <b>Skin Contact</b>               | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  |
| <b>Inhalation</b>                 | Move to fresh air. If the person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor immediately for treatment advice.   |
| <b>Ingestion</b>                  | Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice. |
| <b>Protection of First-aiders</b> | Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).   |

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

|  |                           |
|--|---------------------------|
| <b>Most Important Symptoms and Effects</b> | Burning of eyes and skin. |
|--|---------------------------|

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

|                           |  |
|---------------------------|--|
| <b>Notes to Physician</b> | Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage. |
|---------------------------|--|

## 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

This product causes burns to eyes, skin, and mucous membranes.

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 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, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.

#### **Other Information**

Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

#### **Environmental Precautions**

See Section 12 for 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 skin, eyes, and clothing. Do not eat, drink, or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

#### **Storage**

Store away from children. Keep containers tightly closed in a dry, cool, and well-ventilated place.

#### **Incompatible Products**

None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name   | ACGIH TLV      | OSHA PEL                                     | NIOSH IDLH   |
|---|----------------|--|--|
| n-Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride<br>68424-85-1 | None           | None   | None   |
| Octyl decyl dimethyl ammonium chloride<br>32426-11-2                                | None           | None   | None   |
| Didecyl dimethyl ammonium chloride<br>7173-51-5                                     | None           | None   | None   |
| Diocetyl dimethyl ammonium chloride<br>5538-94-3                                    | None           | None   | None   |
| Tetrasodium EDTA<br>64-02-8   | None           | None   | None   |
| Ethanol<br>64-17-5  | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

### Appropriate engineering controls

#### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

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

#### Eye/Face Protection

If splashes are likely to occur: Wear safety glasses with side shields (or goggles) or face shield.

#### Skin and Body Protection

Wear rubber or neoprene gloves and protective clothing such as long-sleeved shirt.

#### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |             |                       |                          |
|-----------------------|-------------|-----------------------|--------------------------|
| <b>Physical State</b> | Thin liquid | <b>Odor</b>           | Marine                   |
| <b>Appearance</b>     | Clear       | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | Light blue  |                       |                          |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ Method</u> |
|--|-------------------|------------------------|
| pH                                     | 6 - 7             | None known             |
| Melting/freezing point                 | No data available | None known             |
| Boiling point / boiling range          | No data available | None known             |
| Flash Point                            | Not flammable     | 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                       | Soluble           | 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

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Softening Point</b>            | No data available |
| <b>VOC Content (%)</b>            | No data available |
| <b>Particle Size</b>              | No data available |
| <b>Particle Size Distribution</b> | No data available |

## 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### 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

None known.

### Hazardous Decomposition Products

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

- Inhalation** Exposure to vapor or mist may irritate respiratory tract and cause coughing. Inhalation of high concentrations may cause pulmonary edema.
- Eye Contact** Corrosive. May cause severe damage to eyes.
- Skin Contact** May cause severe irritation to skin. Prolonged contact may cause burns to skin.
- Ingestion** Ingestion may cause burns to gastrointestinal tract and respiratory tract, nausea, vomiting, and diarrhea.

**Information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes. May cause burns to eyes. May cause redness or burns to skin. Inhalation may cause coughing.

**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. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

| Chemical Name      | ACGIH | IARC    | NTP   | OSHA |
|--------------------|-------|---------|-------|------|
| Ethanol<br>64-17-5 | A3    | Group 1 | Known | X    |

*ACGIH (American Conference of Governmental Industrial Hygienists)*  
*A3 - Animal Carcinogen*  
*IARC (International Agency for Research on Cancer)*  
*Group 1 - Carcinogenic to Humans*  
*NTP (National Toxicology Program)*  
*Known - Known Carcinogen*  
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*  
*X - Present*

- Reproductive Toxicity** No information available.
- STOT - single exposure** No information available.
- STOT - repeated exposure** No information available.
- Chronic Toxicity** Contains a known or suspected carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Contains a known or suspected reproductive toxin. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Repeated abuse can have long-term health effects.
- 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

**ATEmix (oral)**

9.7 g/kg

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

Harmful to aquatic life with long lasting effects. Toxic to aquatic life.

**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. Do not contaminate food or feed by disposal of this product.

**Contaminated Packaging**

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

**14. TRANSPORT INFORMATION****DOT**

LIMITED QUANTITY.

**TDG**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN1760  |
| <b>Proper Shipping Name</b> | CORROSIVE LIQUID, N.O.S.  |
| <b>Hazard Class</b>         | 8   |
| <b>Packing Group</b>        | III   |
| <b>Description</b>          | UN1760, CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE), 8, III |

**ICAO**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN1760  |
| <b>Proper Shipping Name</b> | CORROSIVE LIQUID, N.O.S.  |
| <b>Hazard Class</b>         | 8   |
| <b>Packing Group</b>        | III   |
| <b>Description</b>          | UN1760, CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE), 8, III |

**IATA**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN1760  |
| <b>Proper Shipping Name</b> | CORROSIVE LIQUID, N.O.S.  |
| <b>Hazard Class</b>         | 8   |
| <b>Packing Group</b>        | III   |
| <b>Description</b>          | UN1760, CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE), 8, III |

**IMDG/IMO**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN1760  |
| <b>Proper Shipping Name</b> | CORROSIVE LIQUID, N.O.S.  |
| <b>Hazard Class</b>         | 8   |
| <b>Packing Group</b>        | III   |
| <b>EmS No.</b>              | F-A, S-b  |
| <b>Marine Pollutant</b>     | Not restricted, as per IMDG Code 2.10.2.7, Marine Pollutant exception.  |
| <b>Description</b>          | UN1760, CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE), 8, III |

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**Chemical Inventories**

|                 |  |
|-----------------|--|
| <b>TSCA</b>     | All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing. |
| <b>DSL/NDSL</b> | 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**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**Clean Water Act**

This product does not contain any substances that are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**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:

**DANGER: CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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

This product contains the following Proposition 65 chemicals. Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

| Chemical Name      | California Proposition 65 |
|--------------------|---------------------------|
| Ethanol<br>64-17-5 | Developmental             |

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

| Chemical Name      | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|--------------------|------------|---------------|--------------|--------------|----------|
| Ethanol<br>64-17-5 |            | X             |              |              |          |

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

E - Corrosive material

**16. OTHER INFORMATION**

**NFPA** Health Hazard 3 Flammability 1 Instability 0 Physical and Chemical Hazards -

**HMIS** Health Hazard 3 Flammability 1 Physical Hazard 0 Personal Protection B

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** November 27, 2015

**Revision Note** Revision Section 14.

**Reference** 1204319/117437.001

**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**