



# SAFETY DATA SHEET

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Revision Number 8

NGHS / English

## 1. IDENTIFICATION

### Product identifier

**Product Name** Clorox Commercial Solutions® Clorox® Disinfecting Bio Stain and Odor Remover

### Other means of identification

**EPA Registration Number** 67619-33

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

**Recommended Use** Disinfectant - Non-Aerosol  
**Uses advised against** No information available

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

**Supplier Identification** The Clorox Company

**Address** 1221 Broadway  
Oakland  
CA  
94612  
US

**Telephone** 1-510-271-7000

### Emergency telephone number

**Company Emergency Phone Number** 800-446-1014

**Emergency Telephone Number** For Medical Emergencies call: 1-800-446-1014. Transportation Emergencies, call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**Appearance** Translucent

**Physical state** Liquid

**Odor** Fragranced

### GHS Label elements, including precautionary statements

#### **Hazard statements**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name         | CAS No.   | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|-----------------------|-----------|----------|--|---|
| Hydrogen Peroxide     | 7722-84-1 | 1-5      | -  | -   |
| Isopropyl alcohol     | 67-63-0   | 0.1-1    | -  | -   |
| Sodium lauryl sulfate | 151-21-3  | 0.1-1    | -  | -   |

### 4. FIRST AID MEASURES

#### First aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>                         | Remove to fresh air. If symptoms persist, call a physician.   |
| <b>Eye contact</b>                        | Rinse eyes. Get medical attention if irritation develops and persists.  |
| <b>Skin contact</b>                       | Wash skin with soap and water. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |
| <b>Self-protection of the first aider</b> | Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.   |

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

|                 |             |
|-----------------|-------------|
| <b>Symptoms</b> | None known. |
|-----------------|-------------|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.  |
| <b>Large Fire</b>                                     | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>     | Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.        |
| <b>Hazardous Combustion Products</b>                  | Carbon oxides.   |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>               | None.  |
| <b>Sensitivity to Static Discharge</b>                | Yes.   |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

**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** Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep in properly labeled containers. Store in accordance with local regulations.

**Incompatible products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Limits**

| Chemical name                | ACGIH TLV                 | OSHA PEL  | NIOSH IDLH   |
|------------------------------|---------------------------|---|--|
| Isopropyl alcohol<br>67-63-0 | STEL: 400 ppmTWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm 10%<br>LEL/TWA: 980 mg/m <sup>3</sup> TWA: 400 ppm<br>STEL: 500 ppmSTEL: 1225 mg/m <sup>3</sup> |

#### **Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

**Engineering controls** None under normal use conditions.

Individual protection measures, such as personal protective equipment

**Eye/face protection** None required for consumer use.

**Hand 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 exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Translucent              |
| <b>Odor</b>           | Fragranced               |
| <b>Color</b>          | No information available |
| <b>Odor Threshold</b> | Not applicable           |

| <u>Property</u>                               | <u>Values</u>     | <u>Remarks</u> | <u>Method</u> |
|---|-------------------|----------------|---------------|
| pH  | 2.3 - 3.7         |                |               |
| <b>Melting / freezing point</b>               | No data available | None           | know n        |
| <b>Boiling point / boiling range</b>          | No data available | None           | know n        |
| <b>Flash Point</b>                            | >93 °C            |                |               |
| <b>Evaporation Rate</b>                       | No data available | None           | know n        |
| <b>Flammability (solid, gas)</b>              | No data available | None           | know n        |
| <b>Flammability Limit in Air</b>              |                   | None           | know n        |
| <b>Upper flammability limit</b>               | No data available |                |               |
| <b>Lower flammability limit</b>               | No data available |                |               |
| <b>Vapor pressure</b>                         | No data available | None           | know n        |
| <b>Vapor density</b>                          | No data available | None           | know n        |
| <b>Relative density</b>                       | 1.0056            |                |               |
| <b>Water Solubility</b>                       | Soluble in water  |                |               |
| <b>Solubility(ies)</b>                        | No data available | None           | know n        |
| <b>Partition coefficient: n-octanol/water</b> | Not applicable    |                |               |
| <b>Autoignition temperature</b>               | No data available | None           | know n        |
| <b>Decomposition temperature</b>              | No data available | None           | know n        |
| <b>Kinematic viscosity</b>                    | No data available | None           | know n        |
| <b>Dynamic viscosity</b>                      | No data available | None           | know n        |

Other Information

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Explosive properties</b>       | No information available |
| <b>Oxidizing properties</b>       | No information available |
| <b>Softening Point</b>            | No information available |
| <b>Molecular Weight</b>           | No information available |
| <b>VOC Content (%)</b>            | No information available |
| <b>Liquid Density</b>             | No information available |
| <b>Bulk Density</b>               | No information available |
| <b>Particle Size</b>              | No information available |
| <b>Particle Size Distribution</b> | No information available |

## 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No information available.                            |
| Chemical stability                 | Stable under normal conditions.                      |
| Possibility of Hazardous Reactions | None under normal processing.                        |
| Hazardous Polymerization           | Hazardous polymerization does not occur.             |
| Conditions to avoid                | No information available.                            |
| Incompatible materials             | Strong acids. Strong bases. Strong oxidizing agents. |
| Hazardous Decomposition Products   | Carbon oxides.                                       |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|              |   |
|--------------|---|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | No known effects under normal use conditions.                     |
| Skin contact | No known effects under normal use conditions.                     |
| Ingestion    | Specific test data for the substance or mixture is not available. |

### Information on toxicological effects

|          |             |
|----------|-------------|
| Symptoms | None known. |
|----------|-------------|

### Numerical measures of toxicity

#### Acute Toxicity

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

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 69,000.00 mg/kg |
| ATEmix (dermal)               | 90,909.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 91.00 mg/L      |
| ATEmix (inhalation-vapor)     | 500.00 mg/L     |

|                        |                          |
|------------------------|--------------------------|
| Unknown acute toxicity | No information available |
|------------------------|--------------------------|

#### Component Information

| Chemical name         | Oral LD50       | Dermal LD50        | Inhalation LC50       |
|-----------------------|-----------------|--------------------|-----------------------|
| Isopropyl alcohol     | 4.4 g/kg (Rat)  | 12.8 g/kg (Rabbit) | 16000 (Rat, 8 h)      |
| Sodium lauryl sulfate | 1.29 g/kg (Rat) | 580 mg/kg (Rabbit) | > 3.9 g/m³ (Rat, 1 h) |

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

|                           |   |
|---------------------------|---|
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
|---------------------------|---|

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

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

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

**Aspiration hazard** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical name     | Toxicity to Algae   | Toxicity to Fish  | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-------------------|---|---|----------------------------|----------------------------|
| Isopropyl alcohol | 96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus) | 96h LC50: = 9640 mg/L (Pimephales promelas)<br>96h LC50: = 11130 mg/L (Pimephales promelas)<br>96h LC50: > 1400000 µg/L (Lepomis macrochirus) | -                          | 48h EC50: 13299 mg/L       |

**Persistence and Degradability** No information available.

### Bioaccumulation

| Chemical name         | Log Pow |
|-----------------------|---------|
| Isopropyl alcohol     | 0.05    |
| Sodium lauryl sulfate | 1.6     |

**Mobility** No information available.

**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical name             | California Hazardous Waste |
|---------------------------|----------------------------|
| Isopropyl alcohol 67-63-0 | Toxic                      |

## 14. TRANSPORT INFORMATION

|                 |               |
|-----------------|---------------|
| <u>DOT</u>      | NOT REGULATED |
| <u>TDG</u>      | NOT REGULATED |
| <u>ICAO</u>     | NOT REGULATED |
| <u>ATA</u>      | NOT REGULATED |
| <u>IMDG/IMO</u> | NOT REGULATED |

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Inventories

TSCA Contact supplier for inventory compliance status  
DSL/NDSL Contact supplier for inventory compliance status

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

#### US Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name               | CAS No. | Weight-% | SARA 313 - Threshold Values % |
|-----------------------------|---------|----------|-------------------------------|
| Isopropyl alcohol - 67-63-0 | 67-63-0 | 0.1-1    | 1.0                           |

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### CWA (Clean Water Act)

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

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### US State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

This product may contain substances regulated by state right-to-know regulations.

| Chemical name                | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|------------------------------|------------|---------------|--------------|--------------|----------|
| Isopropyl alcohol<br>67-63-0 | X          | X             | X            | X            |          |

**16. OTHER INFORMATION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 0 | Flammability 0 | Instability 0      | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 0 | Flammability 0 | Physical hazards 0 | Personal Protection X              |

**Prepared By** Product Stewardship  
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**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**