



# SAFETY DATA SHEET

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Revision Number 2

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

### Product identifier

Product Name Clorox® Antimicrobial Hand Soap

### Other means of identification

Product Code(s) PC 547

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

Recommended Use Antibacterial hand soap

Uses advised against No information available

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

Supplier Name The Clorox Company  
Supplier Address 1221 Broadway  
Oakland, CA 94612

Supplier Phone Number 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 Sensitization	Category 1
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### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>Signal word</b>	<b>Warning</b>		
<b>Hazard Statements</b>	May cause an allergic reaction		
			
<b>Appearance</b> Blue	<b>Physical State</b> Viscous liquid	<b>Odor</b> Vanilla	

### Precautionary Statements - Prevention

Contaminated clothing should not be allowed out of the workplace

### Precautionary Statements - Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention

### Precautionary Statements - Storage

None.

### Precautionary Statements - Disposal

None.

### Hazards not otherwise classified (HNOC)

Not applicable

### Unknown Toxicity

0.65% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

Very toxic to aquatic life with long lasting effects

### Interactions with Other Chemicals

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
5-chloro-2-methyl-4-isothiazolin-3-one	2682-20-4	< 1%	*

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

## 4. FIRST AID MEASURES

### First aid measures

#### General Advice

Show this safety data sheet to the doctor in attendance.

#### Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. If eye irritation persists: Get medical advice/attention.

#### Skin Contact

Wash with soap and water. If skin irritation persists, call a physician.

#### Inhalation

Remove to fresh air.

#### Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

#### Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

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

#### Most Important Symptoms and Effects

Redness and tearing of eyes.

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

#### Notes to Physician

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

No information available.

### 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 skin, eyes or clothing. Use personal protective equipment as required.

**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**                Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**                                    Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

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

**Storage**                                      Keep containers tightly closed in a dry, cool and well-ventilated place.

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade Secret	TWA: 10 mg/m <sup>3</sup> except stearates of toxic metals	-	-

**Appropriate engineering controls**

**Engineering Measures**                    Showers  
    Eyewash stations  
    Ventilation systems

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

<b>Eye/Face Protection</b>	None required for normal use. If splashes are likely to occur:. Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory Protection</b>	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.
<b>Hygiene Measures</b>	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

<b>Physical State</b>	Viscous liquid	<b>Odor</b>	Vanilla
<b>Appearance</b>	Blue liquid	<b>Odor Threshold</b>	No information available
<b>Color</b>	Blue		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>	
<b>pH</b>	6.5	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	No data available	None known	
<b>Water Solubility</b>	Completely soluble	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing Properties</b>	No data available		
<b><u>Other Information</u></b>			
<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

No data available.

### 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 based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	May cause temporary eye irritation.
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	= 1600 mg/kg ( Rat )	-	-
Trade Secret	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Trade Secret	= 3830 mg/kg ( Rat )	-	-
Trade Secret	= 2100 mg/kg ( Rat )	-	-
Trade Secret	= 2 g/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** May cause redness and tearing of the 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** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

**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.

**Target Organ Effects** Eyes. Respiratory system. Skin. Gastrointestinal tract (GI). Kidney.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity**

Not determined

**Unkown Acute Toxicity** 0.65% of this mixture consists of ingredient(s) of unkown toxicity.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Trade Secret		5560 -6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6020 -7070: 96 h Pimephales promelas mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6420 6700: 96 h Pimephales promelas mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		1000: 48 h Daphnia magna mg/L EC50 340.7 -469.2: 48 h Daphnia magna mg/L EC50 Static
Trade Secret		0.13 -1.0: 96 h Oncorhynchus mykiss mg/L LC50 static 1.3 -2.1: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 1.6 mg/L 5 min	6.7 -9: 48 h Daphnia magna mg/L EC50 Static

### Persistence and Degradability

No information available.

### Bioaccumulation

Not determined.

### 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

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

## 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated

**15. REGULATORY INFORMATION**

**Chemical Inventories**

TSCA Complies  
 DSL All components are listed either 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

**US 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 at levels that 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	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**US State Regulations**

**California Proposition 65**

This product does not contain Proposition 65 chemicals

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

Not determined

**International Regulations**

**Canada**

**WHMIS Hazard Class**

D2B - Toxic materials



**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Hazards - Personal Protection</b> A
<b>HMIS</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	

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<b>Revision Note</b>	Revised section II on hazardous ingredients
<b>Reference</b>	Not available

**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**