

1. Identification

Product identifier	CloroxPro™ Clorox® EcoClean Disinfecting Cleaner		
Other means of identification	Document Number: USA001476 EPA 67619-45		
Recommended use	Cleaner and Disinfectant		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/Distributor information			
Manufacturer			
Company name	The Clorox Company		
Address	1221 Broadway Oakland, CA 94612 United States		
Telephone	1-510-271-7000		
E-mail	Not available.		
Emergency phone number	Medical Emergency:	1-800-446-1014	
	Transportation Emergency:	1-800-424-9300 (Chemtrec)	

2. Hazards Identification

Physical hazards	Not classified.	
Health hazards	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning		
Hazard statement	Causes serious eye irritation.		
Precautionary statement			
Prevention	Wash hands thoroughly after handling. Wear eye protection.		
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 attention.		
Storage	Store away from incompatible materials.		
Disposal	Dispose of container in accordance with local, regional, national and international regulations.		
Hazard(s) not otherwise classified (HNOC)	None known.		
Supplemental information	This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure. This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations.		

3. Composition/Information on Ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
L-Lactic Acid		79-33-4	0.4

All concentrations are in percent by weight.

4. First Aid Measures

Inhalation	If breathed in, move person into fresh air.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Eye contact	IF IN EYES: 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.
Ingestion	IF SWALLOWED: 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
Most important symptoms/effects, acute and delayed	Causes serious eye irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes. KEEP OUT OF REACH OF CHILDREN AND PETS. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For further information, call (800) 227-1860.

5. Fire Fighting Measures

Suitable extinguishing media	Carbon dioxide. Foam. Dry chemical. Fog.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling	Avoid contact with eyes and skin. Avoid breathing spray mist. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	KEEP OUT OF REACH OF CHILDREN AND PETS. PESTICIDE STORAGE: Store only in tightly closed container in a secure area inaccessible to children Bottles intended to be refilled by the consumer: STORAGE AND DISPOSAL: Store this product in a cool [dry] area, [away from direct sunlight and heat] to avoid deterioration. Do not reuse or refill this container except as described in the directions for use. Refill only with this product. Offer for recycling or place in trash. Nonrefillable bottles: STORAGE AND DISPOSAL: Store this product in a cool [dry] area, [away from direct sunlight and heat] to avoid deterioration. Nonrefillable container. Do not reuse or refill empty container. Recycle empty container or discard in trash

8. Exposure Controls/Personal Protection

Biological limit values	No biological exposure limits noted for the ingredient(s).
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Appropriate engineering controls	Not normally required if good ventilation is maintained.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Not normally required when used as directed. If splashes are likely to occur, wear: Safety goggles or glasses. Recommended use of eyewear protection when using through a mechanically powered sprayer.
Skin protection	
Hand protection	Not normally required when used as directed. For prolonged use, wear rubber gloves.
Other	Wear appropriate chemical resistant clothing. As required by employer code.
Respiratory protection	Not required if good ventilation is maintained. If irritation is experienced, ventilation and evacuation may be required.
Thermal hazards	Not applicable.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid
Color	Colorless
Odor	Odorless
Odor threshold	Not available.
pH	2.1
Melting point/freezing point	± 0°C
Initial boiling point and boiling range	± 100°C
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	> 212.0 °F (> 100.0 °C)
Evaporation rate	Not applicable (BuAc = 1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	± 1.0 kg/l @ 20°C
Solubility(ies)	Soluble
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	± 5 cP @ 20°C

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Oxidizers. Caustics. Acids.

Hazardous decomposition products

May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	The finished product is not expected to cause irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics

May cause eye irritation.

Information on toxicological effects**Acute toxicity** See below.**Components****Species****Test Results**

L-Lactic Acid (CAS 79-33-4)

Acute*Dermal*

LD50

Rabbit

> 2000 mg/kg, 24 Hours, ECHA

Inhalation

LC50

Rat

> 7.9 mg/L, 4 Hours, ECHA

Oral

LD50

Rat

> 2000 mg/kg, ECHA

Skin corrosion/irritation

Not expected to be a primary skin irritant.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization**Respiratory sensitization** Not a respiratory sensitizer.**Skin sensitization** This product is not expected to cause skin sensitization.**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

See below.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

Not available.

Further information

Not available.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components

L-Lactic Acid (CAS 79-33-4)

Aquatic

Crustacea

EC50

Species

Water flea (Daphnia magna)

Test Results

180 - 320 mg/L, 48 hours

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

L-Lactic Acid

-0.72

Mobility in soil Not available.

Mobility in general Not available.

Other adverse effects Not available.

13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Bottles intended to be refilled by the consumer:

STORAGE AND DISPOSAL: Store this product in a cool [dry] area, [away from direct sunlight and heat] to avoid deterioration. Do not reuse or refill this container except as described in the directions for use. Refill only with this product. Offer for recycling or place in trash.

Nonrefillable bottles:

STORAGE AND DISPOSAL: Store this product in a cool [dry] area, [away from direct sunlight and heat] to avoid deterioration. Nonrefillable container. Do not reuse or refill empty container. Recycle empty container or discard in trash

Institutional/Industrial (Bottles used to refill trigger/nonrefillable container):

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Use up product in accordance to use directions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill empty container. Offer for recycling or reconditioning, or dispose of in a sanitary landfill

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

General

Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

IATA/ICAO (Air)

Not regulated as dangerous goods.

IMDG (Marine Transport)

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

KEEP OUT OF REACH OF CHILDREN. CAUTION:

EPA Reg. # 67619-45

PRECAUTIONARY STATEMENTS:
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Serious eye damage or eye irritation
SARA 313 (TRI reporting)	Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations See below

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

California Proposition 65
This product is not subject to warning labeling under the California Proposition 65 regulation.

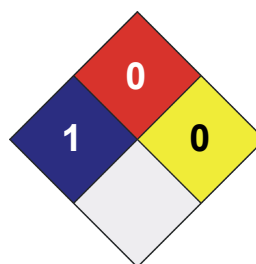
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

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02

Further information

Not available.

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Reference Item: Not available

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