

SDS# 150 ITEM# 361903



SAFETY DATA SHEET

Issuing Date 07-Jul-2017

Revision Date 27-Jul-2017

Revision Number 4

NGHS / English

Product identifier

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

Other means of identification

Product Code(s) -

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

E-mail

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

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Flammable liquids	Category 4

Appearance Translucent

Physical state Liquid

Odor Fragranced

GHS Label elements, including precautionary statements

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation
Combustible liquid



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Keep away from flames and hot surfaces. - No smoking
Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

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

Eyes

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

Skin

IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Substance

Not applicable.

Mixture

Hydrogen Peroxide	7722-84-1	1-5	-	-
Isopropyl alcohol	67-63-0	0.1-1	-	-
Sodium lauryl sulfate	151-21-3	0.1-1	-	-

First aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion	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.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms	Burning sensation.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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.

Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. 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 Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Control parameters

Exposure Limits

Isopropyl alcohol 67-63-0	STEL: 400 ppmTWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LELTWA: 980 mg/m ³ TWA: 400 ppmSTEL: 500 ppmSTEL: 1225 mg/m ³
Sodium lauryl sulfate	None	None	None



151-21-3			
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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 Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

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 Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

Physical and Chemical Properties

Physical state Liquid
Appearance Translucent
Odor Fragranced
Color No information available
Odor Threshold Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	2.8		
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	93 C		
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Relative density	1.0056		
Water Solubility	Soluble in water		
Solubility(ies)	No data available	None known	
Partition coefficient: n-octanol/water	Not applicable		
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	No information available		
Oxidizing properties	No information available		



Other Information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

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	Heat, flames and sparks.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms	Redness. May cause redness and tearing of the eyes.
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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 0 % of the mixture consists of ingredient(s) of unknown toxicity
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

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/m ³ (Rat, 1 h)

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

Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.

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

Isopropyl alcohol 67-63-0	-	Group 3	-	X
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Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
 A3 - Animal 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.
Aspiration hazard No information available.

Ecotoxicity

Isopropyl alcohol	96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus)	96h LC50: = 9640 mg/L (Pimephales promelas) 96h LC50: = 11130 mg/L (Pimephales promelas) 96h LC50: > 1400000 µg/L (Lepomis)	-	48h EC50: 13299 mg/L
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Sodium lauryl sulfate	96h EC50: 30 - 100 mg/L (Desmodesmus subspicatus) 96h EC50: = 117 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 53 mg/L (Desmodesmus subspicatus)	macrochirus) 96h LC50: 8 - 12.5 mg/L (Pimephales promelas) 96h LC50: 22.1 - 22.8 mg/L (Pimephales promelas) 96h LC50: 4.3 - 8.5 mg/L (Oncorhynchus mykiss) 96h LC50: 15 - 18.9 mg/L (Pimephales promelas) 96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: = 7.97 mg/L (Brachydanio rerio) 96h LC50: = 4.62 mg/L (Oncorhynchus mykiss) 96h LC50: 9.9 - 20.1 mg/L (Brachydanio rerio) 96h LC50: 4.06 - 5.75 mg/L (Lepomis macrochirus) 96h LC50: 4.2 - 4.8 mg/L (Lepomis macrochirus) 96h LC50: 5.8 - 7.5 mg/L (Pimephales promelas) 96h LC50: = 4.5 mg/L (Lepomis macrochirus) 96h LC50: 10.2 - 22.5 mg/L (Pimephales promelas) 96h LC50: 6.2 - 9.6 mg/L (Pimephales promelas) 96h LC50: 13.5 - 18.3 mg/L (Poecilia reticulata) 96h LC50: 10.8 - 16.6 mg/L (Poecilia reticulata) 96h LC50: = 1.31 mg/L (Cyprinus carpio)	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	48h EC50: = 1.8 mg/L

Persistence and Degradability No information available.

Bioaccumulation

Isopropyl alcohol	0.05
Sodium lauryl sulfate	1.6

Mobility No information available.

Other adverse effects No information available.

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.

Isopropyl alcohol 67-63-0	Toxic
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DOT	NOT REGULATED
Proper Shipping Name	NON REGULATED
Hazard Class	N/A

TDG	NOT REGULATED
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MEX	NOT REGULATED
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ICAO	NOT REGULATED
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IATA	NOT REGULATED
Proper Shipping Name	NON REGULATED

IMDG/IMO	NOT REGULATED
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RID	NOT REGULATED
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ADR	NOT REGULATED
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ADN	NOT REGULATED
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Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

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



DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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

Isopropyl alcohol - 67-63-0	67-63-0	0.1-1	1.0
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Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
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)

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)

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.

Isopropyl alcohol 67-63-0	X	X	X	X	
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NFPA	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties - Personal Protection X
HMIS	Health hazards 2	Flammability 2	Physical hazards 0	

Prepared By

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



Issuing Date 07-Jul-2017
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Revision Note No information 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

Inhalation Statement Liquid or Aerosol

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

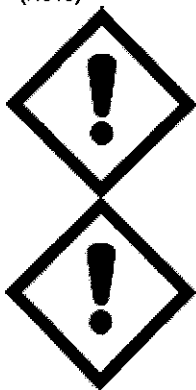
A3 - Animal Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Physical hazards
GHS Physical Hazard Category
Number
Signal word
Skin corrosion/irritation
Hazard statements
Signal word
Serious eye damage/eye irritation
Hazard statements
Signal word
Skin corrosion/irritation
Serious eye damage/eye irritation
Graphic

Flammable liquids
Category 4
Warning
Category 2
Causes skin irritation
Warning
Category 2A
Causes serious eye irritation
Warning
- (H315)
- (H319)



Graphic

Hazard statements
Physical hazards
Signal word
Hazard statements
Precautionary Statements - EU (§28, 1272/2008)

Causes skin irritation Causes serious eye irritation
Combustible liquid
Warning
H315 - Causes skin irritation H319 - Causes serious eye irritation
P321 - Specific treatment (see .? on this label) P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P280 - Wear protective gloves and eye/face protection P370 + P378 - In case of fire: Use dry sodium carbonate to extinguish P403 + P235 - Store in a well-ventilated place. Keep cool

Precautionary Statements - Response

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



Eyes

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

Skin

IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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 aquatic toxicity 0.603 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Physical hazards

Physical hazards

Product ATE Oral Status 1

Product ATE Dermal Status 1

Product ATE Inhalation - Gas Status 1

Product ATE Inhalation - Vapor Status 1

Product ATE Inhalation - Dust/Mist Status 1

Product Skin Corrosion Status 1

Product Eye Damage Status 1

Product Respiratory Sens. Status 1

Product Skin Sensitization Status 1

Product Mutagenic Status 1

Product Carcinogenic Status 1

Product Reproductive Toxicity Status 1

Product STOT Single Status 1

Product STOT Repeated Status 1

Product Aquatic Toxicity Status 1

Product Aspiration Toxicity Status 1

Product Ozone Status 1

Product and Component Overall 1

Classification Status

GHS Physical Hazard Category 1 H-value - (H227)

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Symbols/Pictograms



GHS Physical Hazard Category 1 H-value - (H227)
Physical hazards Exclamation mark