

# Safety Data Sheet

According to SS586:2014

Clorox Disinfecting Bleach Foamer

Version 1.0

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SDS Record Number: CSSS-TCO-010-115573

## Section 1 Identification of the substance/mixture and of the company/undertaking

### Product identifier:

Identification on the label/Trade name: Clorox Disinfecting Bleach Foamer  
Additional identification: Not available  
Identification of the product: See section 3  
Index Number: Not available  
REACH registration No.: Not available

### Relevant identified uses of the substance and uses advised against:

#### Identified uses:

Disinfectant - Non-Aerosol.

#### Uses advised against:

Not available.

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

Supplier(Manufacturer): The Clorox Company  
Address: 1221 Broadway Oakland, CA, 94612 USA  
Contact person(E-mail): -  
Telephone: -  
Fax: -

### Emergency telephone Number:

For Medical Emergencies call: 1-800-446-1014

Transportation Emergencies, call Chemtrec: 1-800-424-9300

Available outside office hours? YES  NO

## Section 2 Hazards Identification

### Classification of the substance/mixture:

<b>GHS Classification</b>	serious eye damage/eye irritation	category 2B
	hazardous to the aquatic environment(ACUTE)	category 1
	hazardous to the aquatic environment(CHRONIC)	category 1

### Label elements:

#### Hazard Pictograms:



#### Signal Word(S):

Warning

#### Hazard Statement:

Causes eye irritation.

**Precautionary statement:**

Toxic to aquatic life with long lasting effects.

Wash thoroughly after handling.

Avoid release to the environment.

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.

Collect spillage.

Dispose of contents/container in corroding with local regulation.

**Other hazards:**

Not available.

**Section 3 Composition/information on ingredients**

**Substance/Mixture:** Mixture

**Ingredient(s):**

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Sodium hypochlorite	N/A	7681-52-9	231-668-3	3-7%
Lauramine oxide	N/A	1643-20-5	216-700-6	0.1-1%

**Section 4 First aid measures****Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**In case of inhalation:**

Move to fresh air.

**In case of skin contact:**

Wash skin with soap and water.

**In case of eyes contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists. Remove contact lenses, if applicable, and continue flushing. Do not rub affected area.

**In case of ingestion:**

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician.

**Most important symptoms and effects, both acute and delayed:**

Causes eye irritation.

**Indication of any immediate medical attention and special treatment needed:**

If skin irritation or rash occurs, get medical advice/attention.

**Section 5 Fire-Fighting measures****Extinguishing media:****Suitable extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:**  
**Special hazards arising from the substance or mixture**  
**Special fire fighting methods and special protective actions for fire-fighters:**

Use of water spray when fighting fire may be inefficient.

Not available.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

**For non-emergency personnel:** Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

**For emergency responders:** Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

**Environmental Precautions:** See Section 12 for additional Ecological Information.

**Methods for Containment and Cleaning up:** Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**Reference to other sections:** See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

**Additional information:** Not applicable.

## Section 7 Handling and storage

### Precautions for safe handling:

**Protective measures:** Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

**Advice on general occupational hygiene:** Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Specific end use(s):** Not applicable.

## Section 8 Exposure Controls/Personal Protection

### Control parameters:

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

##### INGREDIENT DATA:

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US ACGIH Threshold Limit Values (TLV)	Sodium hydroxide	Sodium hydroxide	Not Available	Not Available	2 mg/m3	TLV® Basis: URT, eye, & skin irr

##### EMERGENCY LIMITS:

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
Clorox Disinfecting Bleach Foamer	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH

Sodium hypochlorite	Not Available	Not Available
Lauramine oxide	Not Available	Not Available

#### Exposure controls:

**Appropriate engineering controls:** Use in a well-ventilated area.

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

**Eye/face protection:** If splashes are likely to occur, wear: Safety glasses with side-shields. None required for consumer use.

**Hand protection:** No special protective equipment required.

**Body protection:** No special protective equipment required.

**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.

**Thermal hazards:** Wear suitable protective clothing to prevent heat.

**Environmental exposure controls:** Avoid discharge into the environment.  
According to local regulations, Federal and official regulations.

## Section 9 Physical and chemical properties

#### Information on basic physical and chemical properties:

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Bleach
<b>Odour threshold:</b>	Not available
<b>pH:</b>	12.2
<b>Melting point/range (°C):</b>	Not available
<b>Boiling point/range (°C):</b>	Not available
<b>Flash point (°C):</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability limit - lower (%):</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Ignition temperature (°C):</b>	Not available
<b>Upper/lower flammability/explosive limits:</b>	Not available
<b>Vapour pressure (20°C):</b>	Not available
<b>Vapour density:</b>	Not available
<b>Density:</b>	Not available
<b>Bulk density (kg/m<sup>3</sup>):</b>	Not available
<b>Water solubility (g/l):</b>	Completely soluble
<b>n-Octanol/Water (log Po/w):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity, dynamic (mPa.s):</b>	Not available
<b>Explosive properties:</b>	Not available
<b>Oxidising properties:</b>	Not available
<b>Molecular Formula:</b>	Not available

<b>Molecular Weight:</b>	Not available
<b>Other information:</b>	
<b>Fat solubility(solvent– oil to be specified) etc:</b>	Not available
<b>Surface tension:</b>	Not available
<b>Dissociation constant in water( pKa):</b>	Not available
<b>Oxidation-reduction Potential:</b>	Not available
<b>Specific gravity:</b>	Not available

## Section 10 Stability and reactivity

<b>Reactivity:</b>	The substance is stable under normal storage and handling conditions.
<b>Chemical stability:</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>Conditions to avoid:</b>	Incompatible materials.
<b>Incompatible materials:</b>	Not available
<b>Hazardous decomposition products:</b>	None known based on information supplied.

## Section 11 Toxicological information

<b>Toxicokinetics, metabolism and distribution:</b>	
<b>Non-human toxicological data:</b>	Not available
<b>Information on toxicological effects:</b>	
<b>Acute toxicity:</b>	
Sodium hypochlorite (CAS#7681-52-9)	
<b>LD50(Oral, Rat):</b>	8200mg/kg
<b>LD50(Dermal, Rabbit):</b>	>10000 mg/kg
<b>LC50(Inhalation, Rat):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Not classified
<b>Serious eye damage/irritation:</b>	Causes eye irritation.
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified

## Section 12 Ecological information

**Toxicity:** Sodium hypochlorite (CAS#7681-52-9)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	0.032 other: mg TRO /L	96h	Fish	OECD 203	N/A	N/A
EC50	141 µg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

<b>Persistence and degradability:</b>	Not available.
<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	Not available.
<b>Results of PBT&amp;vPvB assessment:</b>	Not available.
<b>Other adverse effects:</b>	Toxic to aquatic life with long lasting effects.

### Section 13 Disposal considerations

<b>Waste treatment methods:</b>	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
<b>Product / Packaging disposal:</b>	If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

### Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
<b>UN-Number</b>	UN3082	UN3082	UN3082
<b>UN Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.*( Sodium hypochlorite)	Environmentally hazardous substance, liquid, n.o.s.*( Sodium hypochlorite)	Environmentally hazardous substance, liquid, n.o.s.*( Sodium hypochlorite)
<b>Transport hazard Class</b>	III	III	III
<b>Packaging group</b>	9	9	9
<b>Environmental hazards</b>	Yes	Yes	Yes
<b>Special precautions for user</b>	See section 2.2	See section 2.2	See section 2.2
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	IBC03	IBC03	IBC03

### Section 15 Regulation information

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

<b>Sodium hypochlorite(7681-52-9) is found on the following regulatory lists</b>	"Singapore Permissible Exposure Limits of Toxic Substances" List. "International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs" List.
<b>Lauramine oxide (1643-20-5) is found on the following regulatory lists</b>	Not available.

### Section 16 Other information

#### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

#### Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is

furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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