

Safety Data Sheet

According to SS586:2014

Clorox Toilet Bowl Cleaner - Clinging Bleach Gel

Version 1.0

Printing date: 10/10/2014

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SDS Record Number: CSSS-TCO-010-115572

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

Product identifier:

Identification on the label/Trade name: Clorox Toilet Bowl Cleaner - Clinging Bleach Gel
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: 1-510-271-7000
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:

GHS Classification	skin corrosion/irritation	category 1
	serious eye damage/eye irritation	category 1
	substances and mixtures corrosive to metals	category 1
	hazardous to the aquatic environment(ACUTE)	category 1
	hazardous to the aquatic environment(CHRONIC)	category 1

label elements:

Hazard Pictograms:



Signal Word(S): Danger

Hazard Statement: Causes severe skin burns and eye damage.
May be corrosive to metals.
Toxic to aquatic life with long lasting effects.

Precautionary statement: Keep only in original container.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
Collect spillage.
Store locked up.
Store in corrosive resistant/container with a resistant inner liner.
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	1-5%
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. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Administer oxygen if breathing is difficult and you are trained.

In case of skin contact:

Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

In case of eyes contact:

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

In case of ingestion:

Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed:

Causes severe skin burns and eye damage.

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 dry chemical, carbon dioxide (CO₂), water spray.

Unsuitable extinguishing media: Use of water spray when fighting fire may be inefficient.

Special hazards arising from the substance or mixture

Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).

Special fire fighting methods and special protective actions for fire-fighters:

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:

Prevent entry into waterways, sewers, basements or confined areas.

Methods for Containment and Cleaning up:

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. 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

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked

any incompatibilities:

up. Keep out of the reach of children. Store away from other materials.

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 Toilet Bowl Cleaner - Clinging Bleach Gel	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: Face-shield.

Hand protection: Wear protective gloves, Impervious gloves.

Body protection: Wear protective clothing. Long sleeved clothing. Chemical resistant apron.

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.

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:

Appearance: Viscous liquid

Colour: Green

Odour: Floral

Odour threshold: Not available

pH: 13

Melting point/range (°C): Not available

Boiling point/range (°C): Not available

Flash point (°C): Not available

Evaporation rate: Not available

Flammability limit - lower (%): Not available

Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Density:	Not available
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Mostly soluble
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
Other information:	
Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials. Exposure to air or moisture over prolonged periods.
Incompatible materials:	Acids. Bases. Oxidizing agents.
Hazardous decomposition products:	Carbon oxides.

Section 11 Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Sodium hypochlorite (CAS#7681-52-9)

LD50(Oral, Rat): 8200 mg/kg

LD50(Dermal, Rabbit): >10000 mg/kg

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Causes severe skin burns.

Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	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

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

Section 13 Disposal considerations

Waste treatment methods:	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
Product / Packaging disposal:	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)
UN-Number	UN1760	UN1760	UN1760
UN Proper shipping name	Corrosive liquid, n.o.s.*(Sodium hypochlorite and Lauramine oxide)	Corrosive liquid, n.o.s.*(Sodium hypochlorite and Lauramine oxide)	Corrosive liquid, n.o.s.*(Sodium hypochlorite and Lauramine oxide)
Transport hazard Class	8	8	8
Packaging group	II	II	II
Environmental hazards	Yes	Yes	Yes
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC02	IBC02	IBC02

Section 15 Regulation information

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

Sodium hypochlorite(7681-52-9) is found on the following regulatory lists	"Singapore Permissible Exposure Limits of Toxic Substances" List. "International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs" List.
Lauramine oxide (1643-20-5) is found on the following regulatory lists	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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