

# Safety Data Sheet

According to SS586:2014

Pro-Strength Liquid-Plumr Urgent Clear Clog Remover

Version 1.0

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SDS Record Number: CSSS-TCO-010-115565

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

### Product identifier:

Identification on the label/Trade name: Pro-Strength Liquid-Plumr Urgent Clear Clog Remover  
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:

Use in drains Drain Opener.

#### 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>	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.

**Precautionary statement:**

May be corrosive to metals.  
Very toxic to aquatic life with long lasting effects.  
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.  
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	7-13%
Sodium hydroxide	N/A	1310-73-2	215-185-5	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:**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.

**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 (CO<sub>2</sub>), 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 any incompatibilities:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked 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/m <sup>3</sup>	TLV® Basis: URT, eye, & skin irr

##### EMERGENCY LIMITS:

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
Pro-Strength Liquid-Plumr Urgent Clear Clog Remover	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Sodium hypochlorite	Not Available	Not Available
Sodium hydroxide	250 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
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:

<b>Appearance:</b>	Viscous liquid
<b>Colour:</b>	Clear pale yellow
<b>Odour:</b>	Bleach
<b>Odour threshold:</b>	Not available
<b>pH:</b>	13
<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>	Soluble in water
<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>	Acids. Bases. Oxidizing agents. Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	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

#### Acute toxicity:

Sodium hydroxide (CAS#1310-73-2)

<b>LD50(Oral, Rat):</b>	Not available
<b>LD50(Dermal, Rabbit):</b>	1350 mg/kg
<b>LC50(Inhalation, Rat):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Causes severe skin burns.
<b>Serious eye damage/irritation:</b>	Causes serious eye damage.
<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>	Not available.

## 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>	UN1791	UN1791	UN1791
<b>UN Proper shipping name</b>	Hypochlorite solution	Hypochlorite solution	Hypochlorite solution
<b>Transport hazard Class</b>	8	8	8
<b>Packaging group</b>	II	II	II
<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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC02	IBC02	IBC02
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## 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.
Sodium hydroxide(1310-73-2) is found on the following regulatory lists	"Singapore Permissible Exposure Limits of Toxic Substances" 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.

Author: Hangzhou CIRS Co., Limited      Website:[www.cirs-group.com](http://www.cirs-group.com)      Tel:0571-87206555      Email:[info@cirs-group.com](mailto:info@cirs-group.com)