

Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name LTS

Brand ProChem Solutions, Inc.

1.2 Other means of identification

Chlorine Additive

1.3 Recommended use of the chemical and restrictions on use

Machine dishwashing or laundry destaining

1.4 Supplier's details

Name ProChem Solutions, Inc.
 Address 10294 US HWY 19 N, STE 400
 Pinellas Park, FL 33782
 U.S.A.
 Telephone 800-681-6009
 Fax
 email admin@prochemsolutions.com

1.5 Emergency phone number(s)

800-255-3924

SECTION 2: Hazard identification

General hazard statement

Causes skin irritation; Causes serious eye irritation

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



1. Exclamation mark

Signal word

Warning

Hazard statement(s)

H315 Causes skin irritation
 H319 Causes serious eye irritation

Safety Data Sheet

LTS Chlorine Additive

Precautionary statement(s)

P264	Wash hands & skin thoroughly after handling.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3 Other hazards which do not result in classification

None identified

Statement regarding ingredients of unknown toxicity

Irritant Mixture

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Irritant Mixture

Hazardous components

1. Sodium hypochlorite solution (13% Cl₂)

Concentration	40 - 50 % (By Weight)
EC no.	231-668-3
CAS no.	7681-52-9
Index no.	017-011-00-1

- Skin corrosion/irritation, Cat. 1B
- Hazardous to the aquatic environment, short-term (acute), Cat. 1

H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First aid measures

4.1 Description of necessary first-aid measures

General advice	Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles or face shield when using this product. Mix ONLY with water. Wash thoroughly after handling.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor for treatment advice.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing and shoes before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.
If swallowed	Immediately call a Poison Control Center or doctor for treatment advice. Rinse out mouth. Do NOT induce vomiting.

Safety Data Sheet

LTS Chlorine Additive

4.2 Most important symptoms/effects, acute and delayed

See Section 11 for additional information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat exposure symptomatically. In all cases of eye contact, or if large quantities have been ingested or inhaled, contact a doctor or Poison Control Center immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, fog or foam.

5.2 Specific hazards arising from the chemical

None known

5.3 Special protective actions for fire-fighters

Remove all persons from the vicinity. No responsive action should be taken without proper training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.3 Methods and materials for containment and cleaning up

Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections

Put on appropriate protective equipment (see Section 8).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Keep containers tightly closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C). Avoid ignition sources.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sodium hypochlorite solution (13% Cl₂) (CAS: 7681-52-9 EC: 231-668-3)

8.2 Appropriate engineering controls

Use with adequate ventilation to maintain exposure limits below listed thresholds.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear chemical splash goggles or face shield when using this product.

Skin protection

Wear rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact.

Safety Data Sheet

LTS Chlorine Additive

Body protection

Wash thoroughly after use and before eating, smoking, or using the bathroom. Avoid contamination of clothing or shoes, and wash any contaminated items before reuse. If possible, avoid wearing contact lenses when using this product.

Respiratory protection

Wear a NIOSH respirator approved for corrosive vapor and dust when using this product.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Yellow-Green Liquid
Odor	Chlorine
Odor threshold	No data available.
pH	<11.5
Melting point/freezing point	No data available.
Initial boiling point and boiling range	N/A
Flash point	Non-Combustible
Evaporation rate	No data available.
Flammability (solid, gas)	N/A
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	N/A
Vapor density	>1.0
Relative density	>1.0
Solubility(ies)	100% in 120°F Water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	>1.0
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is highly reactive with acids and organic materials. Reactions may produce hazardous conditions, including chlorine gas emissions and heat. NEVER mix this product with other chemicals. Mix this product ONLY with water.

10.2 Chemical stability

Product is stable under normal storage and usage conditions.

10.3 Possibility of hazardous reactions

NEVER mix this product with other chemicals. Mix this product ONLY with water.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Acids and organic materials, metals.

Safety Data Sheet

LTS Chlorine Additive

10.6 Hazardous decomposition products

None are expected under normal storage and usage conditions. None are expected under normal storage and usage conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Serious damage to eyes and severe burns to skin. Irritation to respiratory tract. Severe burns to mouth, throat and stomach.

Skin corrosion/irritation

Skin contact may cause irritation or pain, redness and blistering.

Serious eye damage/irritation

Eye contact may cause irritation or pain, redness and watering.

Respiratory or skin sensitization

Inhalation may cause coughing, choking and respiratory tract irritation.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Summary of evaluation of the CMR properties

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

Irritation to respiratory tract.

Additional information

No known significant effects or critical hazards.

SECTION 12: Ecological information

Toxicity

No specific data available for this mixture. Sodium Hypochlorite is known to be toxic to aquatic life.

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal Considerations

Disposal of the product

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage.

Other disposal recommendations

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulation.

SECTION 14: Transport information

DOT (US)

Non-Regulated Liquid

Note: Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Sodium hypochlorite, CAS number: 7681-52-9

New Jersey Right To Know Components

SODIUM HYPOCHLORITE, CAS number: 7681-52-9

Pennsylvania Right To Know Components

Hypochlorous acid, sodium salt, CAS number: 7681-52-9

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall ProChem Solutions, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if ProChem Solutions, Inc. has been advised of the possibility of such damages.