SAFETY DATA SHEET
LIGHTNING

Revision Date: October 13, 2026
Supersedes Revision: October 15, 2018

SECTION 1 — IDENTIFICATION

Product Name: LIGHTNING

Synonyms: Cleaning Compound

Supplier Details: DeVere Company, Inc.
1923 Beloit Ave. • Janesville, WI 53546 • U.S.A.
Phone: 1-608-752-0576

Website: https://deverechemical.com

Emergency: CHEMTREC 1-800-424-9300 (U.S.A.), 1-703-527-3887 (International), Ref CCN6591

Recommended Use of the Chemical: Cleaning compound

Restrictions On Use: For industrial use

SECTION 2 — HAZARDS IDENTIFICATION

Hazard Classification of the Substance or Mixture:
Eye Irritation 2A

Pictogram(s)

Signal Word:
WARNING

Hazard Statement(s):
H319 - Causes serious eye irritation

Precautionary Statement(s):
P102 - Keep out of reach of children.
P103 - Read label before use.
P264 - Wash hands and exposed skin thoroughly after handling.
P280 - Wear eye protection.

Response Phrase(s):
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.

Storage and Disposal Phrase(s):
P501 - Dispose of contents/container in accordance with applicable federal, state, and local regulations.

Hazards not Otherwise Classified: Mixing with acidic solutions releases toxic chlorine gas. Contact with ammonia generates chloramine gas.

Ingredients of Unknown Acute Toxicity: Not individually evaluated in this revision; where component-specific acute toxicity data is not cited in Section 11, that data has not been confirmed to be available. Consult Section 11 for the acute toxicity information on file for this product.

Chemical Reaction Products (Known/Anticipated Uses): Dilution with water is the primary intended use; no hazardous reaction products are expected under normal conditions. Contact with acids releases toxic chlorine gas. Do not mix with acid-based cleaners or ammonia.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Product is a Mixture according to 29 CFR 1910.1200(c) and Appendix E.

Chemical Name	CAS Number	%
SODIUM HYPOCHLORITE	7681-52-9	1 – 5%
LAURAMINE OXIDE	1643-20-5	1 – 5%

Impurities and stabilizing additives, which are themselves classified and which contribute to the classification of the chemical: None
Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i) and Appendix E.

SECTION 4 — FIRST-AID MEASURES

Note to Physician: Treat symptomatically and supportively. Show this SDS to the doctor in attendance.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

SECTION 4 — FIRST-AID MEASURES (Continued)

Most Important Symptoms/Effects, Acute and Delayed: May cause mild to moderate irritation of the eyes or skin with direct or prolonged contact. Ingestion in large amounts may cause gastrointestinal discomfort.

Indication of Immediate Medical Attention and Special Treatment Needed: Seek medical attention if irritation persists after first-aid measures or if symptoms develop following ingestion.

SECTION 5 — FIRE-FIGHTING MEASURES

This product is not flammable and not explosive. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

Product does not increase any hazards commonly associated with fire. Use appropriate extinguishing media for surrounding materials.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Contain spills and dispose according to local and federal regulations. Observe the protection measures described in Section 8. Avoid materials and products which are incompatible with the product as shown in Section 10. Never dispose of this or any industrial cleaning product with residential waste. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area). Isolate hazard area. Keep unnecessary and unprotected personnel from entering. See Section 13 for disposal methods.

SECTION 7 — HANDLING AND STORAGE

STORAGE: Store in an original, tightly closed container in a secure area out of reach of children and domestic animals away from sources of heat. Do not store food, beverages or tobacco products in the storage area. Store away from incompatible materials (see Section 10). Handle in accordance with good industrial hygiene and safety practices.

HANDLING: Use proper personal protective equipment as indicated in Section 8. Avoid contact with eyes, skin or clothing. Avoid inhalation and use only in well-ventilated areas. Wash thoroughly with soap and water after handling.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV
SODIUM HYPOCHLORITE	Not Established	Not Established
LAURAMINE OXIDE	N/A	N/A

Eye Protection: Use chemical safety glasses to avoid eye contact.

Hand Protection: Use chemical-resistant gloves when handling concentrate.

Skin and Body: None required.

Respiratory Protection: Not normally required under adequate ventilation. Use an appropriate respirator (NIOSH-approved) if chlorine odors indicate exposure above acceptable levels.

Hygiene Measures: Eye wash station and safety shower should be provided. Do not eat, drink or smoke where material is stored, handled or used. Wash hands thoroughly after handling and before eating or smoking.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Yellow

Odor: Chlorine

Odor Threshold: Not Available

pH: 11

Melting Point/Freezing Point: Not Available

Initial Boiling Point and Boiling Range: Not Available

Flash Point: Not Available

Evaporation Rate: Not Available

Flammability (Solid, Gas): Not Flammable

Upper/Lower Flammability or Explosive Limits: Not Available

Vapor Pressure: Not Available

Vapor Density: Not Available

Relative Density: 1.04 (Water = 1.00)

Solubility in Water: Complete at recommended dilutions

Partition Coefficient: n-Octanol/Water: Not Available

Auto-Ignition Temperature: Not Available

Decomposition Temperature: Not Available

Kinematic Viscosity: Not Available

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES (Continued)

Particle Characteristics: Not Applicable (Liquid)

Note: The above properties are typical values and are not to be construed as a guaranteed analysis for any specific lot or as specifications for the product.

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	Product will react with incompatible materials.
Chemical Stability:	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions:	Contact with acids releases toxic chlorine gas. Contact with ammonia generates toxic chloramine gas.
Hazardous Decomposition Products:	Chlorine gas on contact with acids.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Acids, ammonia and ammonium compounds, reducing agents, metals.
Conditions to Avoid:	Contact with acids, ammonia, and incompatible materials. Keep away from sunlight and heat. Do not dispose with residential waste.
Hazards from Foreseeable Emergencies:	Accidental mixing with acid-based products releases toxic chlorine gas; mixing with ammonia releases chloramine gas. Evacuate and ventilate immediately. Flush the affected area with large quantities of water.
Safety Issues That May Arise Should Product Change in Physical Appearance:	Dispose of product immediately per Section 13 should it become discolored, develop an unusual odor, or appear contaminated.

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Skin, inhalation, ingestion and eye contact.
Acute Toxicity:	No information available on this product. Not classified.
Skin Corrosion/Irritation:	Not classified. Prolonged contact may cause mild, temporary irritation or drying.
Serious Eye Damage/Irritation:	Causes serious eye irritation (Eye Irritation, Category 2A).
Symptoms (physical, chemical and toxicological):	May cause redness, pain and irritation of the eyes. Mist may irritate the respiratory tract. Ingestion may cause gastrointestinal discomfort.
Delayed, immediate and chronic effects:	Effects are generally immediate and reversible. Repeated skin exposure may cause drying or dermatitis.
Other Hazard Classes:	Not classified (sensitization, mutagenicity, reproductive toxicity, STOT SE/RE, aspiration).
Interactive Effects:	No data available on interactions between ingredients at use concentrations. All components are accounted for in the mixture classification.
Numerical measures of toxicity:	Not available.
Carcinogenicity:	Not classified by IARC, OSHA, or EPA. Not included in NTP 15th Report on Carcinogens.

Note on Alternative Information: Where specific mixture toxicity data are unavailable, component-level data have been used (ECHA REACH dossiers, OSHA chemical databases).

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity:	This product may be toxic to aquatic life in high concentrations.
Persistence and degradability:	Majority of product quickly degrades to naturally occurring molecules. No detectable environmental persistence expected from regular use.
Bioaccumulative potential:	Will not bioaccumulate under normal use.
Mobility in soil:	No data available.
Endocrine Disrupting Properties:	No data available on endocrine disrupting properties for this mixture.
PBT and vPvB Assessment:	This product is not considered PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) based on available data.

SECTION 13 — DISPOSAL CONSIDERATIONS

Do not discharge concentrated product to sewer. Disposal of product and solutions must comply with applicable federal, state and local requirements. Where discharge to sanitary sewer is permitted, follow applicable POTW requirements and use instructions.

SECTION 14 — TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) Classification:

Not regulated under 49 CFR (DOT).

Marine Pollutant: No.

Canadian Transportation of Dangerous Goods (TDG) Regulations:
Shipment in this jurisdiction is not regulated.

International Maritime Dangerous Goods (IMDG) Code:

SECTION 14 — TRANSPORT INFORMATION (Continued)

Shipment in this jurisdiction is not regulated.

International Air Transport Association (IATA) Dangerous Goods Regulations:
Not evaluated for air transport.

SECTION 15 — REGULATORY INFORMATION

Waste Classification: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

SARA 311/312 Hazard Categories (40 CFR 370.66): Health: Serious eye damage or eye irritation. Physical: None. **From January 1, 2028 (40 CFR 370.3, 91 FR 37022):** Health: Serious eye damage/eye irritation (Category 2A). Physical: None.
SARA 313 (TRI): Contains no toxic chemicals subject to EPCRA Section 313 supplier notification (40 CFR 372.45) above de minimis levels.

TSCA: All components of this product are listed on the TSCA Chemical Substance Inventory or are exempt from listing requirements.

OSHA Hazard Communication Standard: This SDS has been prepared in accordance with 29 CFR 1910.1200 as amended May 20, 2024 (HazCom 2024 / GHS Revision 7).

SECTION 16 — OTHER INFORMATION

Reason for Revision: Revised Jul.-Sep. 2026 to OSHA HazCom 2024 (GHS Rev. 7): all 16 sections per App. D, incl. Sec. 2 classification and P-statements (App. C) and Sec. 15 RCRA, EPCRA 311-313, Prop 65. Product-specific: Chlorine/chloramine gas warnings added to HNOC and Sec. 10; Sec. 2: Skin Irritation 3/H316 removed (not an OSHA HCS category); Sec. 3: trade-secret statement and Appendix E ranges; Sec. 14: IATA wording.

Prepared by: DeVere Chemical Regulatory Department

Abbreviations and Acronyms: ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CFR = Code of Federal Regulations; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IMDG = International Maritime Dangerous Goods; MSHA = Mine Safety and Health Administration; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PBT = Persistent, Bioaccumulative and Toxic; PEL = Permissible Exposure Limit; SARA = Superfund Amendments and Reauthorization Act; SDS = Safety Data Sheet; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; UN = United Nations; vPvB = very Persistent and very Bioaccumulative.

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