

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**TRADE NAME:** LTS 3000**DATE:** 23 June 2015**SUPERSEDES DATE:** New**MANUFACTURER:** Elko, Inc.**ADDRESS:** N. 798 Swamp Angel Rd.
Walworth, WI 53184
866-823-4100*The intended uses of the chemical(s):* This product is an industrial laundry bleach.*Standard industrial classification (SIC):* 2842

The public cannot use the chemical; trained professionals use the chemical only.

24/7 EMERGENCY PHONE: INFOTRAC 800-535-5053 Call collect internationally 352-323-3500**24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center.**SECTION 2 - HAZARDS IDENTIFICATION****GHS:** **SIGNAL WORD: DANGER**

This product is an oxidizer and may be corrosive.

Avoid contact with eyes and skin. Keep out of reach of children.

The product will be harmful if it is inhaled or swallowed.

POTENTIAL HEALTH EFFECTS:**CODE OF HAZARD STATEMENTS:***Physical hazards*

H272-May intensify fire; oxidizer.

Health Hazards

H303-May be harmful if swallowed.

H316-Causes mild skin irritation.

H320-Causes eye irritation.

H333-May be harmful if inhaled.

Environmental hazards

H402-Harmful to aquatic life.

CODE OF PRECAUTIONARY STATEMENTS:*General*

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements

P202-Do not handle until all safety precautions have been read and understood.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling using this product.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

Response statements

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P404-Store in a closed container.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.**CARCINOGENICITY:** None found.**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS #	EINECS #	%	REACH Reg. #
Sodium hypochlorite	7681-52-9	231-668-3	12.5	Yes
Water	7732-18-5	231-791-2	Balance	No

One proprietary ingredient that is non-hazardous used less than one percent.

SECTION 4 - FIRST AID MEASURES

INHALATION: Move to fresh air free from risk of further exposure. If person not breathing call 9-1-1, then apply rescue breathing. Seek medical attention as soon as possible.

EYE CONTACT: Flush with clean, lukewarm water raising upper and lower eyelids at low pressure for 15 minutes. Remove contact lenses, if present, after the first five minutes and continue to rinse the eyes. Seek medical attention if no relief.

SKIN CONTACT: Rinse area with clean water for 15-20 minutes. Call poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. DO NOT INDUCE VOMITING. Lower the head when person is vomiting to minimize entry into throat and lungs.

SECTION 5 - FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: ND

FLAMMABLE LIMITS: LEL = NE% UEL = NE%

EXTINGUISHING METHOD: Use dry chemicals, carbon dioxide and foam.

FIRE OR EXPLOSION HAZARDS: This material is an oxidizer and may cause ignition with organic materials.

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Full emergency equipment with self-contained breathing apparatus and full protective clothing to be worn by firefighters.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:

Wear PPE. Isolate the area and prevent material from getting into waterways.

Absorb liquid with vermiculite, sand or other inert absorbent and place the collected material in a closed container. Finish cleaning the area with small amounts of soap and water on the spill area.

SECTION 7 - HANDLING AND STORAGE

STORAGE TEMPERATURE: Keep containers tightly and keep in cool dry area. Keep away from liquid ammonia products

SPECIAL SENSITIVITY: Avoid contact with skin and eyes wear PPE in section 8.

HANDLING AND STORAGE PRECAUTIONS: Use normal safety procedures and good personal hygiene. Wash thoroughly after use and before eating, drinking, chewing gum or using tobacco.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use safety glasses or goggles (EN 166), there is potential for mist exposure to cause severe injury to the eyes.

SKIN PROTECTION: Wear chemical resistant glove (Nitrile.) Wear long sleeve shirts, long pants, shoes, and socks to handle.

RESPIRATORY PROTECTION: Wear respirator if the airborne conditions result in an aerosol forming Combination air purifying respirator AXBEK or EN 14387).

OCCUPATIONAL EXPOSURE LIMITS: OSHA PEL TWA: Hydrogen peroxide; 1 ppm.

ENGINEERING CONTROLS: Provide adequate ventilation when product is used. Eyewash and shower should be provided in mixing and loading areas.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colour:	Light yellow liquid	Odour:	Slight odour
pH:	> 12	Vapour pressure:	Very low, less than 20 torr
Specific gravity:	> 1.07	Solubility (water):	Soluble

SAFETY DATA SHEET

LTS 3000

Boiling point: 108 °C (226 °F)

SECTION 10 - REACTIVITY

STABILITY: This product is stable material under normal conditions of storage and handling.

HAZARDOUS POLYMERIZATION: It will not polymerize.

INCOMPATIBLES: Avoid strong ammonia, amines, reducing agents, organic compounds and acids. **DECOMPOSITION PRODUCTS:** Product will burn and the products of complete combustion are oxides of chlorine and chlorine gas.

SECTION 11 - TOXICOLOGICAL

The significant routes of exposure are eyes, skin, ingestion and inhalation. Product is not a carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

Please keep this product out of the waterways.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Wear PPE as outlined in Section VIII. Wear proper PPE. Product is corrosive and slippery. Dispose according to the regulations of local, state and Federal regulatory agencies.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT (ground) PROPER SHIPPING DESCRIPTION:

UN1791, Hypochlorite solutions, 8, III

IATA (air) PROPER SHIPPING DESCRIPTION: CARGO AIRCRAFT ONLY

UN1791, Hypochlorite solutions, 8, III

Use packing instructions 821 and maximum shipping capacity is 50 L (13.2 gal)

IMO (water) PROPER SHIPPING DESCRIPTION:

UN1791, Hypochlorite solutions, 8, III

Use packing instruction P001.

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Oxidizer.

TSCA STATUS: None.

CERCLA REPORTABLE QUANTITY: None.

CALIFORNIA PROPOSITION 65: None.

RCRA STATUS: None.

SARA 311/312 HAZARD NOTIFICATION/REPORTING

IMMEDIATE Y FIRE N SUDDEN RELEASE OF PRESSURE N

DELAYED N REACTIVE N

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS: None.

SECTION 311/312 HAZARD CATEGORIES: None.

SECTION 313 TOXIC CHEMICALS: None.

RIGHT TO KNOW: All ingredients listed in FL, MA, NJ and PA.

EUROPEAN COMMUNITY:



WHMIS:



Class C



Class D

SECTION 16 – OTHER INFORMATION/APPROVALS

National Fire Protection Association (NFPA)			
Hazardous Materials Identification System (HMIS)			
NFPA		HMIS	
0	Least		
2	Health	1	Slight
0	Flammability	2	Moderate
2	Instability	3	High
		4	Severe
2	Health	2	Health
0	Flammability	0	Flammability
2	Reactivity	2	Reactivity
		H	PPE

REASON FOR ISSUE: This SDS was renumbered and formatted to meet GHS compliance.

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ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery ACT	TSCA	Toxic Substance Control Act
EC ₅₀	Effective Dose	LC ₅₀	Lethal Inhalation Concentration
LD ₅₀	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEL	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content		
ACGIH	American Conference of Government Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
	Taiwan List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

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