



**SAFETY DATA SHEET (SDS)**  
OSHA Hazard Communication Standard 29 CFR 1910.1200

**Lo-Chlor Leak Sealer**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**1.1 PRODUCT IDENTIFIER**

**Product/Trade Name:** Leak Sealer (LS023)

**1.2 INTENDED USE OF THE PRODUCT**

Seals minor leaks in pools and spas.

**1.3 NAME, ADDRESS, TELEPHONE OF MANUFACTURER**

Lo-Chlor L.L.C.  
5841 Powerline Road, Suite 202  
Ft. Lauderdale, FL 33309  
800-491-9810  
Fax: 954-491-2311  
www.lo-chlor.com

**1.4 EMERGENCY TELEPHONE NUMBER**

Emergency number: 1-800-424-9300  
For chemical emergency, spill, leak, fire, exposure, or accident, call Chemtrec, day or night

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

**GHS-US Classification:**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**2.2 LABEL ELEMENTS**

**GHS-US Label Elements**

**Hazard pictograms (GHS-US)**



GHS07 Warning

**Signal word:** Warning

**Hazard statements:**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.



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**Precautionary statements:**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

**2.3 OTHER HAZARDS**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 CHEMICAL CHARACTERIZATION**

**Mixtures:** Mixture of the substances listed below.

Chemical Name	Product Identifier	%	GHS-US classification
Trade Secret		35 - 40%	H302, H315, H319, H335
Water		60 - 65%	

**SECTION 4: FIRST-AID MEASURES**

**4.1 DESCRIPTION OF FIRST-AID MEASURES**

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid after inhalation:** Supply fresh air; consult doctor in case of complaints. If required, provide artificial respiration. Keep patient warm. Get medical attention immediately. In case of unconsciousness, place patient stably in side position for transportation.

**First-aid after skin contact:** Immediately wash with soap and water and rinse thoroughly. Immediately remove any contaminated clothing, jewelry or shoes and wash before reuse. Get medical attention if irritation develops.

**First-aid after eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.



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**First-aid after swallowing:** Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. GET MEDICAL ATTENTION IMMEDIATELY.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS/BOTH ACUTE AND DELAYED**

**Inhalation:** May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes. In some cases, pulmonary edema and/or pneumonia may develop, either immediately or more often within 72 hours. Symptoms may include tightness in the chest, dyspnea, frothy sputum, cyanosis and dizziness.

**Skin contact:** Direct contact may cause severe irritation, pain and possibly burns.

**Eye contact:** Direct contact may cause severe irritation, pain and burns, possibly severe, and permanent damage, including blindness. The full extent of the injury may not be immediately apparent.

**Ingestion:** May cause immediate pain and severe burns of the esophagus and gastrointestinal tract with vomiting, nausea, and diarrhea. May cause swelling and tissue destruction to mucous membranes of the mouth, throat, esophagus, and stomach.

**4.3 INFORMATION FOR DOCTORS**

Treat symptomatically and supportively. No specific antidote. **NOTE:** The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage.

**4.4 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT NEEDED**

If medical advice is needed have product container or label at hand.  
No further relevant information available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 EXTINGUISHING MEDIA**

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**5.3 ADVICE FOR FIREFIGHTERS**

**Protective equipment:** Exercise caution when fighting any chemical fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**General measures:** Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering. Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety practices.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Prevent further leakage or spillage if safe to do so. Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.



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**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Absorb and/or contain spills with liquid-binding material like sand, diatomite, acid binders, universal binders or sawdust to soak up the product and place into a container for later disposal. Dispose of contaminated material as waste according to Section 13. Ensure adequate ventilation.  
**Note:** This product dries to form a glass film which can easily cut skin. Wet material is slippery under foot.

**6.4 REFERENCE TO OTHER SECTIONS**

See Section 7 for information on safe handling.  
See Section 8 for information on exposure control and personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING**

**Precautions for safe handling:** Open and handle receptacle with care. Avoid contact with skin and eyes. Ensure good ventilation at the workplace. Prevent formation of aerosols.  
**Hygiene measures:** Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

**Storage conditions:** Keep receptacle tightly sealed. Keep separated from incompatible substances. Do not store in aluminum containers or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Avoid prolonged storage above 140° F.  
**Incompatible products:** Acids and prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Contact with acids will cause gelling and evolution of heat.  
**Incompatible materials:** No further relevant information available.

**7.3 SPECIFIC END USE(S)**

No further relevant information available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS**

**Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  
**Additional information:** The lists that were valid during the creation were used as a basis.

**8.2 EXPOSURE CONTROLS**

**Appropriate engineering controls:** Provide adequate ventilation or other engineering controls. Eyewash stations and safety showers are recommended in the work-station location.



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**Personal protective equipment:**



**Hand protection:** Wear chemically resistant protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Skin and body protection:** Wear suitable protective clothing to minimize skin contact.

**Respiratory protection:** If irritation is experienced, use respiratory filter device.

**General protection:** When using, do not eat, drink or smoke. Avoid contact with the eyes and skin. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	:	Liquid
Appearance	:	Clear to opaque
Color	:	Colorless
Odor	:	Odorless to slight odor
Odor threshold	:	Not determined
pH	:	11.0 – 11.4
Melting point	:	Not determined
Freezing point	:	30°F
Boiling point	:	214 - 216 °F
Flash point	:	Not applicable
Auto-ignition temperature	:	Product is not self-igniting
Decomposition temperature	:	Not determined
Flammability (solid, gaseous)	:	Not applicable
Specific gravity	:	1.4 - 1.5
Solubility	:	100%
Solid contents	:	37.0 – 40.0%

**9.2 OTHER INFORMATION**

No further relevant information available.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 REACTIVITY**

No dangerous reactions known.

**10.2 CHEMICAL STABILITY**

Product is stable under normal conditions. Prolonged contact with incompatible metals may produce flammable hydrogen gas.

**10.3 THERMAL DECOMPOSITION/CONDITIONS TO AVOID**

No decomposition if used according to specifications.

**10.4 POSSIBILITY OF HAZARDOUS REACTIONS**

No dangerous reactions known.



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**10.5 CONDITIONS TO AVOID**

Prolonged storage above 140° F. Contact with acids will cause gelling and evolution of heat.

**10.6 INCOMPATIBLE MATERIALS**

Keep separated from incompatible substances: acids, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

**10.7 HAZARDOUS DECOMPOSITION PRODUCTS**

No dangerous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Acute toxicity**

**LD/LC50 values that are relevant for classification:**

**Trade Secret**

Oral	LD50	1153 mg/kg (rat)
Dermal	LD50	4640 mg/kg (rabbit)

**11.2 PRIMARY IRRITANT EFFECT**

**On the skin:** Irritant to skin and mucous membranes.

**On the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

**11.3 ADDITIONAL TOXICOLOGICAL INFORMATION**

The product shows the following dangers according to internally approved calculation methods for preparations:

- Harmful
- Irritant

**11.4 CARCINOGENIC CATEGORIES**

**IARC (International Agency for Research on Cancer):** None of the ingredients is listed.

**NTP (National Toxicology Program):** None of the ingredients is listed.

**11.5 SIGNS AND SYMPTOMS OF EXPOSURE**

This product is alkaline. Exposure to alkaline solutions may result in irritation to severe burns depending on the concentration and duration of exposure.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 TOXICITY**

This material is believed to be practically non-toxic to aquatic life.

**12.2 PERSISTENCE AND DEGRADABILITY**

No further relevant information available.

**12.3 BIOACCUMULATIVE POTENTIAL**

No further relevant information available.

**12.4 MOBILITY IN SOIL**

No further relevant information available.



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**12.5 ADDITIONAL ECOLOGICAL INFORMATION**

**General notes:** Water hazard class 1 (Self-assessment): Slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.6 OTHER ADVERSE EFFECTS**

No further relevant information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 WASTE TREATMENT METHODS**

**Waste disposal recommendations:** Dispose of contents/container in accordance with local, regional, and national regulations. Do not allow product to reach sewage system.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN NUMBER**

Non-hazardous

**14.2 PROPER SHIPPING NAME**

DOT Non-regulated material  
ADR  
IATA  
IMDG

**14.3 DOT PACKING GROUP**

Not applicable

**14.4 HAZARD CLASS**

Not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 SARA**

**Section 355 (Extremely hazardous substances):** None of the ingredients is listed.

**Section 313 (Specific toxic chemical listings):** None of the ingredients is listed.

**15.2 TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**15.3 PROPOSITION 65**

**Chemicals known to cause cancer:** No ingredients are listed.

**Chemicals known to cause reproductive toxicity for females:** No ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:** No ingredients are listed.

**Chemicals known to cause developmental toxicity:** No ingredients are listed.

**15.4 CARCINOGENIC CATEGORIES**

**EPA (Environmental Protection Agency):** No ingredients are listed.



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**TLV (Threshold Limit Value established by ACGIH):** No ingredients are listed.  
**NIOSH-Ca(National Institute for Occupational Safety and Health):** No ingredients are listed.  
**OSHA-Ca (Occupational Safety and Health Administration):** Corrosive to eyes.

**SECTION 16: OTHER INFORMATION**

**16.1 CLASSIFICATION SYSTEM**

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

**NFPA ratings (0-4)**



Health = 2  
Fire = 0  
Reactivity = 0

**HMIS-ratings (scale 0 - 4)**



Health = 2  
Fire = 0  
Reactivity = 0

This information is based on our present knowledge and on data considered to be accurate. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the user thereof. Lo-Chlor L.L.C assumes no responsibility for personal injury or property damage to users or third parties caused by the material. User assumes all risks associated with the use of this material.