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**SAFETY DATA SHEET**

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**Section 1: IDENTIFICATION**

**Product Name:** ER-110 Concentrated Stencil Remover

**Product Code:** 195-7111

**MSDS Date:** March 29, 2019

Mfg. For:

Lawson Screen Products, Inc.

5110 Penrose ST.

St. Louis, MO 63115

**General Information:** 314-382-9300

**CHEMTREC:** 800-424-9300

**Section 2: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****GHS Classification:**

Skin corrosion (Category 1A), H314

Serious eye damage (Category 1), H318

**GHS Labeling**

**Symbol:**

**Signal Word:** Danger

**Hazard Statements:**

Causes severe skin burns and eye damage

Causes serious eye damage.

**Precautionary Statements:****Prevention:**

Do not breathe mists.

Wash thoroughly after handling.

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

**Response:**

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Immediately call a poison center/doctor.

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/doctor.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Potential Health Effects:** See Section 11 for more information

This product does not contain carcinogens or potential carcinogens as listed by IARC, NTP, or ACGIH.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Environmental Effects:** See Section 12 for more information.

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

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	Periodic Acid CAS #10450-60-9	5 - 20	Not Avail	Not Avail	Not Avail	Not Avail

**Section 4: FIRST AID MEASURES**

**Emergency first aid procedures by route of exposure:**

- Inhalation:** Move victim to fresh air. Seek immediate medical attention. If breathing has stopped, perform artificial respiration if trained to do so and seek immediate medical help.
- Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Skin:** Remove contaminated clothing. Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.
- Eyes:** Immediately flush eyes with plenty of water for at least 5 minutes, remove contact lens if present, continue to flush with water for 15 more minutes. Seek immediate medical attention.

**Section 5: FIRE FIGHTING MEASURES**

- Flash Point:** Not flammable
- Auto-ignition Temperature:** Not available
- Lower Explosion Limit:** 0%
- Upper Explosion Limit:** 0%
- Flammability Classification:** Not flammable

**FIRE AND EXPLOSION HAZARDS**

Oxidizing agent. Can and will accelerate combustion of flammable materials.

**EXTINGUISHING MEDIA**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**PRODUCTS OF COMBUSTION:**

Upon decomposition this product may emit carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

HAZARD	HMIS	NFPA
Toxicity	1	1
Fire	0	0
Reactivity	0	0

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Protection:** For large spills wear gloves, Tyvek suits, safety glasses, and appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away.

**Special Properties:** Keep combustibles such as wood, paper, oil, flammables away from the spill.

**Environmental Precautions:** Prevent discharge to open bodies of water, municipal sewers, and watercourses.

**Method for Containment:** Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth. Control runoff and isolate discharged material for proper disposal. Approach release from upwind. Do not throw into the trash, any rags, scrap pieces of pallets or other material onto which periodic acid has been spilled!

**Methods for Clean-up:** Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Flush area of spill with water after removing the spill.

## Section 7: HANDLING AND STORAGE

### Handling:

Protect from heat and light. Do not throw even small spills into regular refuse containers as spontaneous combustion can occur.

### Storage:

Keep container in a cool, dry place. Keep container tightly closed and sealed until ready for use. Protect from heat. Keep stored away from flammables and other combustibles.

## Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protective Equipment (PPE)

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye/Face Protection:** Splash proof chemical goggles.

**Hand Protection:** Wear chemically resistant gloves like Nitrile rubber.

**Body:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

**See section 3 for exposure limits.**

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, State	Clear liquid
Color	Colorless
Odor	Not available
pH (50%soln/water periodic acid)	<1
Vapor	
Boiling Range	Not available
Vapor Pressure (periodic acid)	7.9
Melting Point	Not Available
Freezing Point	Not Available
Flash Point (See Section 5)	
Flammability Properties (See section 5)	
Solubility (in water)	Soluble
Specific Gravity (periodic acid)	1.6
Evaporation Rate	Not Available
Octanol/Water partition coefficient (Kow)	Not Available
Auto-ignition temperature:	Not Available
Decomposition temperature:	Not Available

## Section 10: STABILITY AND REACTIVITY

**Stability:** This material is considered stable at ambient temperatures 70°C (21°C).

**Condition to Avoid:** High heat, open flame.

**Incompatible Materials:** Strong bases, Powdered metals, Strong reducing agents, Dimethyl sulfoxide. (DMSO)

**Hazardous Decomposition:** Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons. Toxic iodine fumes, hydrogen iodide.

**Hazardous Reactions:** This product will not undergo polymerization.

## Section 11: TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS:

**Component Analysis LD50** No data available

### CHRONIC EFFECTS:

#### Component

Periodic Acid

**Carcinogenic Effects:** Not listed as a carcinogen by IARC, and ACGIH.

**Mutagenic Effects:** Not Available.

**Teratogenic Effects:** Not Available

**Developmental Toxicity:** Not Available

**Target Organs:** Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

## Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

## Section 14: TRANSPORT INFORMATION

Not regulated as a dangerous good.

## Section 15: REGULATORY INFORMATION

**TSCA Inventory** This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

**SARA 302/304** The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

**SARA 313:** No components were identified.

**CERCLA** The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: No components were identified.

**SARA 311/312 Hazard** The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: Immediate (Acute) Health Hazard

**California Prop 65:** No components were identified.

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**Section 16: OTHER SUPPLEMENTAL INFORMATION**

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Prepared on behalf of Lawson Screen Products, Inc. by: The MFG.. on 3/15/19

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