

LA-1 Cleaner

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: LA-1 Cleaner
SDS Number: LA-1
Revision Date: 6/14/2022
Product Use: Pre-cleaner prior to NDT Inspection penetrant

Supplier Details: Sherwin Inc.
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Emergency telephone number:

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ChemTel +1-813-248-0585 outside U.S.A, Canada, Puerto Rico and US Virgin Islands
ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 01-800-099-0731

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Health, Skin corrosion/irritation, 1 A

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
H314 - Causes severe skin burns and eye damage

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash ... thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of water/...
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor/...
P314 - Get medical advice/attention if you feel unwell.
P361 - Take off immediately all contaminated clothing.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
1310-58-3	1-10%	Potassium hydroxide (K(OH))
7320-34-5	1-10%	Diphosphoric acid, tetrapotassium salt
1312-76-1	1-10%	Silicic acid, potassium salt
68603-58-7	1-10%	Amines, C12-14-tert-alkyl, ethoxylated propoxylated
127087-87-0	<5%	Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched

4 FIRST AID MEASURES

- Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- Skin Contact:** Take off immediately all contaminated clothing, rinse skin with water/shower. Immediately wash with water and soap and rinse thoroughly. If chemical burn or skin irritation continues, call a doctor
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, Remove contact lenses, if present and easy to do continue rinsing lifting eyelids occasionally to facilitate irrigation.
Get immediate medical attention.
- Ingestion:** Do NOT induce vomiting or attempt chemical neutralization. Seek immediate medical attention For spontaneous vomiting, keep head below hips.
- Most important symptoms and effects:** Burning painm eyes stinging or tearing or blurred vision. Permanent eye damage, skin damage.

5 FIRE FIGHTING MEASURES

- Flash Point:** Not applicable water based product
- Autoignition Temp:** Not detemined
- Lower Explosive Limit:** Not detemined
- UEL:** Not detemined
- Suitable extinguishing agents:** Water haze, Foam, ABC powder
- Special hazards arising from the substance or mixture:** Gases hazardous to health may be formed.
- Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit
- Unsuitable extinguishing media:** High volume water jet

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
- Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:** Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation..Place in a chemical waste container.

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7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes, skin, or clothing. Wear appropriate protective equipment. Consider normal working hygiene. Do not breathe vapors or mist.
- Storage Requirements:** Keep container tightly closed. Keep away from incompatible materials, see section 10. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Containers may be hazardous when empty since residue liquid may be present

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Use mechanical (general) ventilation for storage areas.
- Personal Protective Equipment:** Chemical resistant gloves; Chemical safety glasses with side shields or goggles and a face shield; If general or local ventilation is in place, then no personal respiratory protective equipment normally required. In case of vapor formation, mists or aerosols use an organic vapor respirator with particulate filter for brief exposure/low levels or respiratory protection with independent air source; Impervious clothing.
- Exposure Limits:**

Ingredients with exposure limits:

1310-58-3 Potassium hydroxide ACGIH, NIOSH ceiling, 2 mg/m³



General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|----------------------------|---------------------------------------|----------------------------|-------------------------------------|
| Appearance: | Clear, colorless to tan | Odor: | Mild |
| Physical State: | Liquid | Solubility: | Soluble in water |
| Spec Grav./Density: | 1.17 | Flash Point: | Not applicable, water based product |
| Boiling Point: | The water will boil at 100°C (212 °F) | Auto-Ignition Temp: | No data available |
| Vapor Pressure: | Not determined | UFL/LFL: | No data available |
| pH: | >13 | | |
| Evaporation Rate: | Not determined | | |



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10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction under normal use.
Chemical Stability: Product is stable under normal conditions.
Conditions to Avoid: Contact with incompatible materials.
Materials to Avoid: Acids, maleic anhydride, ammonium salts.
Hazardous Decomposition: No dangerous decomposition products known
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity

1310-58-3 potassium hydroxide:
 Oral 273 mg/kg LD50 (Rat)

7320-34-5 tetrapotassium pyrophosphate:
 Oral: >1000 mg/kg LD50 (Rabbit)
 Skin: >4640 mg/kg LD50 (Rabbit)
 Based on available data, the classification criteria are not met

ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with the skin or eyes. Risk of serious damage to eyes and skin.

Carcinogenicity: Based on available data, the classification criteria are not met

STOT-single exposure: Based on available data, the classification criteria are not met
STOT-repeated exposure: Based on available data, the classification criteria are not met

12 ECOLOGICAL INFORMATION

Ecotoxicity

CAS 1310-58-3 Potassium hydroxide	LC50/ 96 h	80 mg/l (Fish)
CAS 215-199-1 Silicic acid, potassium salt	LC50/48 hr	>146 mg/l (fish)

Do not allow product to reach sewage, storm water or natural water systems..

Persistence and degradability

No data available.

Bioaccumulative potential

No data available

Mobility in soil

No data available

13 DISPOSAL CONSIDERATIONS



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Dispose of in accordance with all applicable local, state and federal regulations.
Empty containers may contain product residue.
Collect all waste in suitable and labeled containers and dispose according to local legislation.

14 TRANSPORT INFORMATION

DOT, IATA, IMDG
UN1760, Corrosive Liquid, N.O.S. (Potassium Hydroxide), Class 8, PG II



15 REGULATORY INFORMATION

TSCA: All components listed

SARA 302:
No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302

SARA 304 Extremely Hazardous Substances Reportable Quantity:
Calculated RQ's exceeds reasonably attainable upper limits.

SARA 311/312 Hazard classes
Serious eye damage or eye irritation

SARA 313:
This product does not contain a chemical listed at or above de minimis concentration

CERCLA Reportable Quantity: Calculated RQ's exceeds reasonably attainable upper limits.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

- RQ = Reportable Quantity
- CERCLA = Superfund clean up substance
- CSWHS = Clean Water Act Hazardous substances
- MASS = MA Massachusetts Hazardous Substances List
- OSHAWAC = OSHA Workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- TSCA = Toxic Substances Control Act
- TXAIR = TX Air Contaminants with Health Effects Screening Level
- IMDS = IMDS Listed

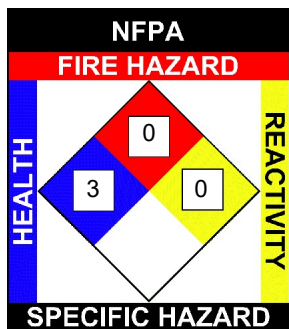


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OTHER INFORMATION

NFPA: Health = 3, Fire = 0, Reactivity = 0, Specific Hazard = n/a



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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