IDENTIFICATION

PRODUCT NAME: ADHL-DENSIFIER

MANUFACTURER/SUPPLIER: Adhesiveslab 235 Rayette Rd, Unit #4 Concord, Ontario Canada L4K 2G1 24
HOUR EMERGENCY NUMBER: 1-800-340-7697
APPLYATION AND USE: Spray / roller applied liquid penetrating concrete hardener.
PRODUCT DESCRIPTION: Aqueous solution of Potassium Lithium Silicate.

HAZARDS IDENTIFICATION

GHS CLASSIFICATION
-Eye irritation: Category 1

SIGNAL WORD ...................................... WARNING

HAZARD STATEMENTS
-H302 Harmful if swallowed
-H315 Causes skin irritation
-H320 Causes eye irritation

PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS
PREVENTION
P102 Keep out of reach of children
P262 Do not get in eyes, on skin or on clothing
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P264 Wash hands thoroughly after handling.

RESPONSE
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention

OTHER HAZARDS
Spilled material may be slippery. Dries to form a glass film which may cut skin.
SAFETY DATA SHEET

FIRST-AID MEASURES

EYE CONTACT
Flush eyes promptly with plenty of running water, continuing at least 15 minutes with eyelids held open. Get medical attention if eye irritation occurs.

SKIN CONTACT
Remove contaminated clothing. Wash with plenty of running water.

INHALATION
Avoid breathing mist. May cause respiratory irritation. If irritation occurs, move to a fresh air environment. Seek medical attention if irritation continues.

INGESTION
Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

MOST IMPORTANT SYMPTOMS/ EFFECTS

ACUTE OR DELAYED
Alkaline solution. Can cause eye irritation.

IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT NEEDED
Obtain immediate medical attention, treat symptomatically.

FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
This material is compatible with all extinguishing media.

UNSUITABLE EXTINGUISHING MEDIA
No information available.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/ MIXTURE
This product will not cause or support fire under normal conditions of use.

COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>%</th>
<th>C.AS. #</th>
<th>LD/50, Route, Species</th>
<th>LC/50, Route, Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic acid, Potassium Salt; Potassium Silicate</td>
<td>5 - 10</td>
<td>1312-76-1</td>
<td>Not Established</td>
<td>Not Established</td>
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<tr>
<td>Silicic acid, Lithium Salt; Lithium Silicate</td>
<td>1 - 3</td>
<td>12627-14-4</td>
<td>Not Established</td>
<td>Not Established</td>
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</tbody>
</table>

Hazardous Ingredients

<table>
<thead>
<tr>
<th>C.AS. #</th>
<th>LD/50, Route, Species</th>
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<tr>
<td>1312-76-1</td>
<td>Not Established</td>
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</tr>
<tr>
<td>12627-14-4</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>
HAZARDOUS COMBUSTION PRODUCTS
None known.

FIRE-FIGHTERS PROTECTIVE EQUIPMENT
In a fire wear full protective gear including a self-contained breathing apparatus.

SPECIAL FIRE-FIGHTING PROCEDURES
None.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear suitable goggles and protective clothing. Avoid contact with skin and eyes. Danger of slipping on spilled product.

ENVIRONMENTAL PRECAUTIONS
Prevent entry into sewers or streams, dike if needed. Consult local authorities.

CLEAN-UP METHODS
Remove with liquid-absorbing material, for example sand. Remove last traces by diluting with plenty of (warm) water.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING
Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills. CAUTION: Can etch glass if not promptly removed.

CONDITIONS FOR SAFE STORAGE
Keep packaging/storage vessel closed when not in use. Store the product in plastic containers. Do not store in aluminum, steel, fiberglass, copper, brass, zinc or galvanized containers. Store below 50°C. Protect from freezing.

EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS
None of the components have assigned exposure limits. ENGINEERING CONTROLS:

OTHER/TYPE
Portable eyewash fountain and a safety shower should be available to the work area vicinity.

PROTECTIVE EQUIPMENT:
EYE / TYPE
Wear chemical splash goggles when handling this product.

**RESPIRATORY PROTECTION**
Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe OSHA regulations for respirator use.

**GLOVES/TYPe**
Wear suitable gloves, e.g., PVC or nitrile rubber.

**CLOTHING/TYPe**
Use a lab coat or apron as necessary to minimize skin contact.

### PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
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<tr>
<td>Appearance</td>
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<tr>
<td>Odour</td>
<td>None</td>
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<tr>
<td>Odour Threshold</td>
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<tr>
<td>pH Level</td>
<td>10.0-12.0 @ 21°C (69.8°F)</td>
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<tr>
<td>Freezing Point</td>
<td>&lt; 0°C (32°F)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 100°C (&gt;212°F)</td>
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<tr>
<td>Autoignition Temperature</td>
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</tr>
<tr>
<td>Flash Point</td>
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<tr>
<td>Vapour Pressure (mmHg @ 20°C)</td>
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<tr>
<td>Vapour Density (AIR=1)</td>
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<tr>
<td>Specific Gravity @ 20°C</td>
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<tr>
<td>Solubility in Water</td>
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<tr>
<td>Evaporation Rate (N-BuAc=1)</td>
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<tr>
<td>V.O.C. Content</td>
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</tr>
</tbody>
</table>

### STABILITY AND REACTIVITY

**Reactivity**
Non-reactive under normal conditions.

**Chemical Stability**
The product is chemically stable.

**Possible Hazardous Reactions**
Hazardous polymerization will not occur.

**Conditions to Avoid**
Avoid contamination with acids, will generate exothermic reactions.

**Incompatible Materials**
Avoid contact with Zinc, Tin, Aluminum, Copper and their alloys. Separate from acids, reactive metals, and ammonium salts.
HAZARDOUS DECOMPOSITION PRODUCTS
Hydrogen gas.

TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY (LD50)
Refer to Section 3

CARCINOGENICITY OF MATERIAL
This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

TERATOGENICITY
Not available.

MUTAGENICITY
Not available.

REPRODUCTIVE EFFECTS
Not available.

ROUTES OF EXPOSURE:

SYMPTOMS AND EFFECTS:

EYE CONTACT
Causes eye irritation.

SKIN CONTACT
Frequent or prolonged contact may irritate the skin, low toxicity.

INHALATION
Nose and throat mucosal irritation.

INGESTION
Repeated ingestion or ingestion of large doses of soluble lithium compounds during pregnancy is reported to cause fetus abnormalities. Frequent ingestion over extended periods of time of gram quantities of silicates is associated with the formation kidney stones and other siliceous urinary calculi in humans.

ECOLOGICAL INFORMATION

ECOTOXICITY
No data available for lithium silicate compounds. However, the pH of most undiluted silicate solutions is above acceptable limits for direct discharge into waterbodies.

PERSISTENCE AND DEGRADABILITY
No data available.

BIOACCUMULATIVE POTENTIAL
Inorganic. The substance has no potential for bioaccumulation.
MOBILITY IN THE SOIL
No data available.

TRANSPORTATION INFORMATION

Domestic/International Regulation

TDG
Not Regulated

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.