



Revision Number: 004.1

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## 1. PRODUCT AND COMPANY IDENTIFICATION

|                              |                                                |                             |         |
|------------------------------|------------------------------------------------|-----------------------------|---------|
| <b>Product name:</b>         | <b>LePage PL600 Landscape Block Adhesive</b>   | <b>IDH number:</b>          | 1654127 |
| <b>Product type/use:</b>     | Assembly adhesive, solvent                     | <b>Region:</b>              | Canada  |
| <b>Restriction of Use:</b>   | None identified                                | <b>Contact information:</b> |         |
| <b>Company address:</b>      |                                                |                             |         |
| Henkel Canada Corporation    | Telephone: +1 (905) 814-6511                   |                             |         |
| Meadowpine Boulevard 2515    | MEDICAL EMERGENCY Phone: Poison Control Center |                             |         |
| Mississauga, Ontario L5N 6C3 | 1-877-671-4608 (toll free) or 1-303-592-1711   |                             |         |
|                              | TRANSPORT EMERGENCY Phone: CHEMTREC            |                             |         |
|                              | 1-800-424-9300 (toll free) or 1-703-527-3887   |                             |         |
|                              | Internet: www.henkelna.com                     |                             |         |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** HIGHLY FLAMMABLE LIQUID AND VAPOUR.  
CAUSES SERIOUS EYE IRRITATION.

| HAZARD CLASS     | HAZARD CATEGORY |
|------------------|-----------------|
| FLAMMABLE LIQUID | 2               |
| EYE IRRITATION   | 2A              |

### PICTOGRAM(S)



### Precautionary Statements

|                    |                                                                                                                                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection. |
| <b>Response:</b>   | If on skin (or hair): Take off immediately all contaminated clothing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.     |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep cool.                                                                                                                                                                                                                                                                                           |
| <b>Disposal:</b>   | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.                                                                                                                                                                                                                        |

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015) and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

IDH number: 1654127

Product name: LePage PL600 Landscape Block Adhesive

| Hazardous Component(s)                                   | CAS Number | Weight %* |
|----------------------------------------------------------|------------|-----------|
| Limestone                                                | 1317-65-3  | 20 - 30   |
| Kaolin                                                   | 1332-58-7  | 10 - 20   |
| acetone                                                  | 67-64-1    | 10 - 20   |
| Resin acids and Rosin acids, esters with pentaerythritol | 8050-26-8  | 1 - 5     |
| Methyl acetate                                           | 79-20-9    | 1 - 5     |
| Titanium dioxide                                         | 13463-67-7 | 0.1 - 1   |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | 14808-60-7 | 0.1 - 1   |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

|                      |                                                                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | If inhaled, immediately remove the affected person to fresh air. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. |
| <b>Skin contact:</b> | Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.                                                    |
| <b>Eye contact:</b>  | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.                                   |
| <b>Ingestion:</b>    | Do not induce vomiting, seek medical advice immediately.                                                                                                         |
| <b>Symptoms:</b>     | See Section 11.                                                                                                                                                  |

#### 5. FIRE FIGHTING MEASURES

|                                           |                                                                                                                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.                                                                                          |
| <b>Special firefighting procedures:</b>   | Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. Wear full protective clothing.                           |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along floor to an ignition source. |
| <b>Hazardous combustion products:</b>     | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.                                                                       |

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

|                                   |                                                                                                                                                                                                                                                                                                       |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions:</b> | Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Ventilate area. Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways. |
| <b>Clean-up methods:</b>          | Use noncombustible absorbent material such as sand. Use non-sparking tools for clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.                                        |

## 7. HANDLING AND STORAGE

**Handling:**

Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Use only in well-ventilated areas. Keep out of the reach of children. Keep away from heat, spark and flame. Containers should be grounded and bonded to the receiving container.

**Storage:**

For safe storage, store between -20 °C (-4°F) and 50 °C (122°F)  
Keep away from heat, spark and flame. Keep containers closed when not in use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous Component(s)                                   | ACGIH TLV                                                                                                   | OSHA PEL                                                                                                                                                                                                          | AIHA WEEL | OTHER |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
| Limestone                                                | 10 mg/m3 TWA<br>Inhalable particles.<br>3 mg/m3 TWA<br>Respirable particles.<br>10 mg/m3 TWA<br>Total dust. | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>50 MPPCF TWA<br>Total dust.<br>15 mg/m3 TWA<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.   | None      | None  |
| Kaolin                                                   | 2 mg/m3 TWA<br>Respirable fraction.                                                                         | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.   | None      | None  |
| acetone                                                  | 250 ppm TWA<br>500 ppm STEL                                                                                 | 1,000 ppm (2,400 mg/m3) PEL                                                                                                                                                                                       | None      | None  |
| Resin acids and Rosin acids, esters with pentaerythritol | None                                                                                                        | None                                                                                                                                                                                                              | None      | None  |
| Methyl acetate                                           | 200 ppm TWA<br>250 ppm STEL                                                                                 | 200 ppm (610 mg/m3) PEL                                                                                                                                                                                           | None      | None  |
| Titanium dioxide                                         | 0.2 mg/m3 TWA<br>Respirable nanoscale particles<br>2.5 mg/m3 TWA<br>Respirable finescale particles          | 15 mg/m3 PEL<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.                                          | None      | None  |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | 0.025 mg/m3 TWA<br>Respirable fraction.                                                                     | 0.05 mg/m3 TWA<br>(Respirable dust.)<br>(Respirable dust.)<br>0.025 mg/m3<br>OSHA_ACT<br>(Respirable dust.)<br>0.05 mg/m3 PEL<br>Respirable dust.<br>2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m3 TWA<br>Respirable. | None      | None  |

**Engineering controls:**

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists. When workplace hazards warrant the use of a respirator, appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed.

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                 |                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Physical state:</b>                          | Liquid                                                                                                                  |
| <b>Color:</b>                                   | Beige                                                                                                                   |
| <b>Odor:</b>                                    | Acetone-like                                                                                                            |
| <b>Odor threshold:</b>                          | Not available.                                                                                                          |
| <b>pH:</b>                                      | 7                                                                                                                       |
| <b>Vapor pressure:</b>                          | Not available.                                                                                                          |
| <b>Boiling point/range:</b>                     | 56 - 57 °C (132.8 - 134.6 °F)                                                                                           |
| <b>Melting point/ range:</b>                    | < 0 °C (< 32°F)                                                                                                         |
| <b>Specific gravity:</b>                        | 1.44                                                                                                                    |
| <b>Vapor density:</b>                           | 2.0                                                                                                                     |
| <b>Flash point:</b>                             | -17 °C (1.4 °F)                                                                                                         |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                                                                                                          |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                                                                                                          |
| <b>Autoignition temperature:</b>                | Not available.                                                                                                          |
| <b>Flammability:</b>                            | Not applicable                                                                                                          |
| <b>Evaporation rate:</b>                        | 14.4                                                                                                                    |
| <b>Solubility in water:</b>                     | Slightly soluble                                                                                                        |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                                                                                                          |
| <b>VOC content:</b>                             | 0.22 %; 5.67 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |
| <b>Viscosity:</b>                               | 375,000 mPa.s                                                                                                           |
| <b>Decomposition temperature:</b>               | Not available.                                                                                                          |

## 10. STABILITY AND REACTIVITY

|                                          |                                                                                                                                            |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.                                                                                         |
| <b>Hazardous reactions:</b>              | Will not occur.                                                                                                                            |
| <b>Hazardous decomposition products:</b> | Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. |
| <b>Incompatible materials:</b>           | Strong oxidizing agents.                                                                                                                   |
| <b>Reactivity:</b>                       | Not available.                                                                                                                             |
| <b>Conditions to avoid:</b>              | Heat, flames, sparks and other sources of ignition.                                                                                        |

## 11. TOXICOLOGICAL INFORMATION

|                                     |                          |
|-------------------------------------|--------------------------|
| <b>Relevant routes of exposure:</b> | Inhalation, Skin contact |
|-------------------------------------|--------------------------|

## Potential Health Effects/Symptoms

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Irritates the nose, throat and respiratory system. Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effects in the liver, kidneys, and lungs. Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. |
| <b>Skin contact:</b> | Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Eye contact:</b>  | Contact with eyes can cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Ingestion:</b>    | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Hazardous Component(s)                                   | LD50s and LC50s                                                                                                                                                                                                                                                                                | Immediate and Delayed Health Effects                    |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Limestone                                                | None                                                                                                                                                                                                                                                                                           | Nuisance dust                                           |
| Kaolin                                                   | Oral LD50 (Rat) = > 5,000 mg/kg<br>Dermal LD50 (Rat) = > 5,000 mg/kg                                                                                                                                                                                                                           | Nuisance dust                                           |
| acetone                                                  | Oral LD50 (Mouse) = 5.2 g/kg<br>Oral LD50 (Mouse) = 3,000 mg/kg<br>Oral LD50 (Rabbit) = 5,340 mg/kg<br>Oral LD50 (Rat) = 5,800 mg/kg<br>Oral LD50 (Rat) = 9,800 mg/kg<br>Dermal LD50 (Rabbit) = 20,000 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 76 mg/l<br>Inhalation LC50 (Rat, 4 h) = 50.1 mg/l | Central nervous system, Irritant                        |
| Resin acids and Rosin acids, esters with pentaerythritol | None                                                                                                                                                                                                                                                                                           | Irritant                                                |
| Methyl acetate                                           | Oral LD50 (Rabbit) = 3.7 g/kg                                                                                                                                                                                                                                                                  | Blood, Central nervous system, Eyes, Irritant           |
| Titanium dioxide                                         | Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l                                                                                                                                                               | Irritant, Respiratory, Some evidence of carcinogenicity |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | None                                                                                                                                                                                                                                                                                           | Immune system, Lung, Some evidence of carcinogenicity   |

| Hazardous Component(s)                                   | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------------------------------------|-------------------------------|-----------------|------------------------------------------|
| Limestone                                                | No                            | No              | No                                       |
| Kaolin                                                   | No                            | No              | No                                       |
| acetone                                                  | No                            | No              | No                                       |
| Resin acids and Rosin acids, esters with pentaerythritol | No                            | No              | No                                       |
| Methyl acetate                                           | No                            | No              | No                                       |
| Titanium dioxide                                         | No                            | Group 2B        | No                                       |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | Known To Be Human Carcinogen. | Group 1         | Yes                                      |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

### 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

#### Canada Transportation of Dangerous Goods - Ground

**Proper shipping name:** ADHESIVES  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

#### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** ADHESIVES  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

**CEPA DSL/NDSL Status:** Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

#### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

### 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** This Safety Data Sheet contains changes from the previous version in Section(s): 15

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 01/05/2023

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