**Revision Number:** 002.0

**Issue date:** 12/13/2016

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** **LePage® PL200® Construction Adhesive**

**IDH number:** 1113121

**Product type:** Adhesive

**Restriction of Use:** None identified

**Region:** Canada

**Company address:**
Henkel Canada Corporation
Meadowpine Boulevard 2515
Mississauga, Ontario L5N 6C3

**Contact information:**
Telephone: +1 (905) 814-6511
MEDICAL EMERGENCY Phone: Poison Control Center
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 VAPOR.<br>CAUSES SKIN IRRITATION.<br>CAUSES SERIOUS EYE IRRITATION.<br>MAY CAUSE DROWSINESS OR DIZZINESS. |

| HAZARD CLASS | HAZARD CATEGORY |
|---|---|
| FLAMMABLE LIQUID | 2 |
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3 |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection.

**Response:** If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** 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

| Hazardous Component(s) | CAS Number | Weight %* |
|---|---|---|
| Naphtha, hydrotreated light, <0,1% benzene | 64742-49-0 | 30 - 40 |
| Kaolin | 1332-58-7 | 20 - 30 |
| Limestone | 1317-65-3 | 10 - 20 |
| Distillates, petroleum, steam-cracked, polymd. | 68131-77-1 | 5 - 10 |
| Petroleum resins | 64742-16-1 | 1 - 5 |
| Xylenes | 1330-20-7 | 1 - 5 |
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 1 - 5 |
| Resin acids and Rosin acids, esters with pentaerythritol | 8050-26-8 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 0.1 - 1 |
| Ethylbenzene | 100-41-4 | 0.1 - 1 |
| Quartz (SiO2) | 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

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Administer oxygen or artificial respiration as needed. Get immediate medical attention.

**Skin contact:** Rinse with running water. Apply skin care product. Remove contaminated clothes immediately.

**Eye contact:** Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:** Do not induce vomiting. Get immediate medical attention.

**Symptoms:** See Section 11.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** carbon dioxide foam Dry chemical. Water spray or fog.

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapors are heavier than air and may travel along floor to an ignition source.

**Hazardous combustion products:** Oxides of carbon. Carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.

**Clean-up methods:** 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:** Keep away from heat, spark and flame. Keep container closed. Do not reuse container. Keep out of the reach of children. Empty containers must not be washed and re-used for any purpose. Never use pressure to empty. Drum is not a pressure vessel. Use only with adequate ventilation.

**Storage:** For safe storage, store at or above 20 °C (68°F)
Keep away from heat, spark and flame.

**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 |
|---|---|---|---|---|
| Naphtha, hydrotreated light, <0,1% benzene | None | 100 ppm (400 mg/m3) PEL | None | None |
| Kaolin | 2 mg/m3 TWA Respirable fraction. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. | None | None |
| Limestone | 10 mg/m3 TWA Total dust. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Distillates, petroleum, steam-cracked, polymd. | None | None | None | None |
| Petroleum resins | None | None | None | None |
| Xylenes | 100 ppm TWA 150 ppm STEL | 100 ppm (435 mg/m3) PEL | None | None |
| Distillates (petroleum), hydrotreated heavy naphthenic | 5 mg/m3 TWA Inhalable fraction. 5 mg/m3 TWA mist 10 mg/m3 STEL mist | 5 mg/m3 TWA mist 500 ppm (2,000 mg/m3) PEL 5 mg/m3 PEL Mist. | None | None |
| Resin acids and Rosin acids, esters with pentaerythritol | None | None | None | None |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Ethylbenzene | 20 ppm TWA | 100 ppm (435 mg/m3) PEL | None | None |
| Quartz (SiO2) | 0.025 mg/m3 TWA Respirable fraction. | 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.05 mg/m3 PEL | None | None |

**Engineering controls:** Use only in well ventilated areas. Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:** Wear safety glasses with side shields.

**Skin protection:** Solvent impermeable gloves are required for repeated or prolonged contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid
**Color:** Tan
**Odor:** Sharp, Solvent
**Odor threshold:** Not available.

| | |
|---|---|
| **pH:** | Not applicable |
| **Vapor pressure:** | 29 mm hg (20 °C (68°F)) |
| **Boiling point/range:** | 82.2 - 132.2 °C (180°F - 270°F)(solvent) |
| **Melting point/ range:** | Not available. |
| **Specific gravity:** | 1.203 |
| **Vapor density:** | Heavier than air. |
| **Flash point:** | -6.11 °C (21°F) no method |
| **Flammable/Explosive limits - lower:** | 1 % |
| **Flammable/Explosive limits - upper:** | 6.5 % |
| **Autoignition temperature:** | Not available. |
| **Flammability:** | Not applicable |
| **Evaporation rate:** | Not available. |
| **Solubility in water:** | Insoluble |
| **Partition coefficient (n-octanol/water):** | Not available. |
| **VOC content:** | 30 %; 380 g/l |
| **Viscosity:** | 600,000 - 1,000,000 mPa.s |
| **Decomposition temperature:** | Not available. |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **Stability:** | Not available. |
| **Hazardous reactions:** | Will not occur. |
| **Hazardous decomposition products:** | Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. |
| **Incompatible materials:** | Strong oxidizing agents. |
| **Reactivity:** | Not available. |
| **Conditions to avoid:** | Keep away from open flames, hot surfaces and sources of ignition. |

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects/Symptoms**

**Inhalation:** Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. 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.

**Skin contact:** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.

**Eye contact:** Symptoms can include irritation, redness, scratching of the cornea, and tearing.

**Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|---|---|---|
| Naphtha, hydrotreated light, <0,1% benzene | None | Central nervous system, Irritant, Kidney, Lung |
| Kaolin | Oral LD50 (Rat) = > 5,000 mg/kg<br>Dermal LD50 (Rat) = > 5,000 mg/kg | Nuisance dust |
| Limestone | None | Nuisance dust |
| Distillates, petroleum, steam-cracked, polymd. | None | Irritant |
| Petroleum resins | None | Central nervous system |
| Xylenes | Oral LD50 (Mouse) = 1,590 mg/kg<br>Oral LD50 (Rat) = 6,670 mg/kg<br>Oral LD50 (Rat) = 3,523 - 8,600 mg/kg<br>Oral LD50 (Mouse) = 5,627 mg/kg<br>Oral LD50 (Rat) = 4,300 mg/kg<br>Dermal LD50 (Rabbit) = > 43 g/kg<br>Inhalation LC50 (Rat, 4 h) = 6,350 mg/l | Cardiac, Central nervous system, Irritant, Kidney, Liver |
| Distillates (petroleum), hydrotreated heavy naphthenic | None | Irritant |
| Resin acids and Rosin acids, esters with pentaerythritol | None | Irritant |
| Titanium dioxide | None | Irritant, Respiratory, Some evidence of carcinogenicity |
| Ethylbenzene | Oral LD50 (Rat) = 5.46 g/kg<br>Oral LD50 (Rat) = 3,500 mg/kg<br>Dermal LD50 (Rabbit) = 17,800 mg/kg | Irritant, Central nervous system |
| Quartz (SiO2) | None | Immune system, Lung, Some evidence of carcinogenicity |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|---|---|---|
| Naphtha, hydrotreated light, <0,1% benzene | No | No | No |
| Kaolin | No | No | No |
| Limestone | No | No | No |
| Distillates, petroleum, steam-cracked, polymd. | No | No | No |
| Petroleum resins | No | No | No |
| Xylenes | No | No | No |
| Distillates (petroleum), hydrotreated heavy naphthenic | No | No | No |
| Resin acids and Rosin acids, esters with pentaerythritol | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Ethylbenzene | No | Group 2B | No |
| Quartz (SiO2) | Known To Be Human Carcinogen. | Group 1 | No |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only.**

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

## 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 (n-Heptane) |
| **Hazard class or division:** | 3 |
| **Identification number:** | UN 1133 |
| **Packing group:** | II |
| **Marine pollutant:** | n-Heptane |

## 15. REGULATORY INFORMATION

**Canada Regulatory Information**

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**United States Regulatory Information**

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

## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** Mary Ellen Roddy, Sr. Regulatory Affairs Specialist

**Issue date:** 12/13/2016

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