1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LePage Heavy Duty Contact Cement
IDH number: 1504724

Product use: Adhesive

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

Contact information:
Telephone: 800.624.7767
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

Region: Canada

2. HAZARDS IDENTIFICATION

Physical state: Clear
Color: Colorless
Odor: Solvent

DANGER: EXTREMELY FLAMMABLE.
VAPOR HARMFUL.
MAY BE HARMFUL IF SWALLOWED.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

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

Potential Health Effects

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
Skin contact: Irritating to skin.
Eye contact: Liquid or vapors may irritate the eyes.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Not available.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS NUMBER</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>60-100</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>123-86-4</td>
<td>10-30</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Move to fresh air, consult doctor if complaint persists.

Skin contact: Rinse immediately with plenty of running water, seek medical advice if necessary.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: Do not induce vomiting. Seek medical advice.
5. FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>-22 °C (-7.6 °F) DIN 51755 Closed cup flash point</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammable/Explosive limits - lower</td>
<td>0.9 %</td>
</tr>
<tr>
<td>Flammable/Explosive limits - upper</td>
<td>14.3 %</td>
</tr>
<tr>
<td>Extinguishing media</td>
<td>Water spray (fog), foam, dry chemical or carbon dioxide.</td>
</tr>
<tr>
<td>Special firefighting procedures</td>
<td>Wear self contained breathing apparatus. Wear full protective clothing.</td>
</tr>
<tr>
<td>Unusual fire or explosion hazards</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>None known.</td>
</tr>
<tr>
<td>Sensitivity to Mechanical Impact</td>
<td>Not available.</td>
</tr>
<tr>
<td>Sensitivity to static discharge</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

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: Do not allow product to enter sewer or waterways.

Clean-up methods: Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

Storage: Keep the container tightly closed and in a cool, well-ventilated place.

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.

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>750 ppm STEL</td>
<td>1,000 ppm (2,400 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>500 ppm TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>150 ppm TWA</td>
<td>150 ppm (710 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>200 ppm STEL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Clear
Color: Colorless
Odor: Solvent
Odor threshold: Not available.
pH: Not available.
Vapor pressure: Not available.
Boiling point/range: Not available.
Melting point/ range: Not available.
Vapor density: Not available.
Flash point: -22 °C (-7.6 °F) DIN 51755 Closed cup flash point
Flammable/Explosive limits - lower: 0.9 %
Flammable/Explosive limits - upper: 14.3 %
Autoignition temperature: Not available.
Evaporation rate: Not available.
Solubility in water: Partially soluble
Partition coefficient (n-octanol/water): Not available.
VOC content: 12.5 %; 111.2 g/l
Viscosity: 3,000 - 3,500 mPa.s

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Hazardous reactions: Will not occur.
Hazardous decomposition products: In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) are released.
Incompatible materials: Strong oxidizing agents.
Conditions to avoid: Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen (Specifically Regulated)</th>
<th>ACGIH Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Group A4</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>LD50s and LC50s</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>Oral LD50 (RABBIT) = 5,340 mg/kg Oral LD50 (RAT) = 5,800 mg/kg Oral LD50 (RAT) = 9,800 mg/kg Dermal LD50 (RABBIT) = 20,000 mg/kg Inhalation LC50 (RAT, 8 h) = 50.1 mg/l Inhalation LC50 (RAT, 4 h) = 76 mg/l</td>
<td>Blood, Central nervous system, Irritant, Reproductive</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>Oral LD50 (RAT) = 14,000 mg/kg Oral LD50 (RAT) = 14,130 mg/kg Inhalation LC50 (, 4 h) = 160 mg/l</td>
<td>Irritant, Central nervous system</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

IDH number: 1504724
Product name: LePage Heavy Duty Contact Cement

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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 shipping classification in this section are for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

Canada Transportation of Dangerous Goods - Ground

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

International Air Transportation (ICAO/IATA)

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

Water Transportation (IMO/IMDG)

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

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 material safety data sheet contains changes from the previous version in sections: This Material Safety Data Sheet contains changes from the previous version in Section(s): 2.8

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Donna Houston, Regulatory Affairs Specialist

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