

# MATERIAL SAFETY DATA SHEET

LePage PL Premium Ultra

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** LePage PL Premium Ultra

Product Number: 1114936

**Manufacturer:** HENKEL CORPORATION

6685 Kennedy Rd. , Unit 1

Mississauga, ON

Canada ; L5T 3A5

**Information Phone Number:** (440) 937-7000

**Emergency Phone Number:** 1-613-996-6666 (CANUTEC)

**MSDS Date of Preparation:** 08/04/09

**Product Use:** Consumer product – polyurethane adhesive

## SECTION 2: HAZARDS IDENTIFICATION

Yellow liquid with a mild amine odor.

**EMERGENCY OVERVIEW:** May cause eye and skin irritation. Inhalation of vapors may cause nose and throat irritation. May be harmful if swallowed or inhaled. May cause sensitization (allergic reaction) by inhalation and skin contact. Persons who are allergic to isocyanates should avoid contact with this product. Symptoms may include coughing, difficulty breathing and a feeling of tightness in the chest. Effects may be delayed.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Polyurethane Prepolymer	Proprietary	60-100
4,4'-Methylenediphenyl diisocyanate	101-68-8	10-30

## SECTION 4: FIRST AID MEASURES

**General Information:** In case of adverse health effects, seek medical advice.

**Eye:** Rinse thoroughly with water for at least 20 minutes, holding the eye lids open to be sure the material is washed out. Get immediate medical attention.

**Skin:** Wipe off affected skin area immediately with a soft cloth and then remove residues with vegetable oil. Cured product can only be removed mechanically. Replace contaminated clothing.

**Inhalation:** If irritation or other symptoms develop, move to fresh air. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth with a small amount of water. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to an unconscious or drowsy person. Do not induce vomiting.

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use foam, carbon dioxide, sand or dry chemical. If water is used, large quantities should be used. This product reacts vigorously with water producing carbon dioxide, isocyanate vapor and heat.

**Special Fire Fighting Procedures:** Cool fire exposed containers with water. Do not get water inside containers. Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Do not breathe combustion products.

**Unusual Fire Hazards:** Dense smoke is emitted by burning material. Do not reseal contaminated containers. Closed containers may rupture due to generation of heat and gases.

**Hazardous Combustion Products:** Dense smoke, carbon dioxide, carbon monoxide, oxides of nitrogen and hydrogen cyanide.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill:** Wear appropriate personal protective equipment. Ventilate area. Collect spilled liquid with an absorbent material and place into an unsealed container for disposal. Do not seal container as a chemical reaction may generate gases that may rupture container. Keep container in a well ventilated area. Report spills and releases as required to appropriate authorities.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Do not breathe vapors. Use only in a well ventilated area. Do not eat, drink or smoke while using product. Wash hands thoroughly after use. Keep containers closed when not in use. Keep product away from water and moisture. Keep out of the reach of children.

**Storage .** Store in the original container. Keep container closed and protect from moisture. Store in a dry, well-ventilated area. Store between 5 and 40°C. Store away from oxidizers, alcohols, amines and other materials that react with isocyanates.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Polyurethane Prepolymer	None Established
4,4''-Methylenediphenyl diisocyanate	0.005 ppm TWA ACGIH TLV

**Ventilation:** Provide sufficient ventilation to maintain exposure levels below the exposure limits.

**Respiratory Protection:** Do not breathe vapors. For operations where the occupational exposure limit may be exceeded, an approved respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with applicable regulations and good industrial hygiene practice.

**Skin Protection:** Impervious gloves are recommended for operations which may result in skin contact. For a short contact time, gloves made of >0.4 mm thick nitrile rubber are recommended. The gloves must be replaced immediately t the first signs of wear and tear.

**Eye Protection:** Safety goggles recommended.

**Other Protective Equipment:** Protective clothing if needed to avoid skin contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Yellow liquid with a mild amine odor.

<b>pH:</b> Not applicable	<b>Specific Gravity:</b> 1.11-1.12
<b>Boiling Point:</b> Not available	<b>Freeze Point:</b> Not available
<b>Vapor Pressure:</b> <0.00001 mmHg @ 20°C	<b>Water Solubility:</b> Reacts with water
<b>Vapor Density:</b> heavier than air	<b>Evaporation Rate:</b> Not available
<b>Flash Point:</b> >93.3 °C	<b>Flammable Limits:</b> Not available
<b>%Volatile by Weight:</b> Not available	<b>VOC:</b> Not available

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Incompatibility/Conditions to Avoid:** Keep away from water, oxidizers, amines, alcohols, acids and alkalis.

**Hazardous Decomposition Products:** Combustion will produce carbon dioxide, carbon monoxide, oxides of nitrogen and hydrogen cyanide. Reacts with water and other incompatible materials generating heat and carbon dioxide. Exposure to temperatures above 150°C will generate isocyanate vapors.

**Hazardous Polymerization:** Will not occur under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Potential Health Effects:**

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**Eye:** May cause moderate irritation.

**Skin:** May cause irritation. May cause allergic skin reaction.

**Inhalation:** Breathing vapors may cause irritation of the nose, throat and upper respiratory tract. May cause allergic respiratory reaction in individuals who are sensitized to isocyanates. Symptoms may include coughing, difficulty breathing and a feeling of tightness in the chest. Effects may be delayed.

**Ingestion:** May be harmful if swallowed.

**Chronic Hazards:** May cause allergic skin and respiratory reaction. Prolonged or repeated inhalation exposure may cause asthma..

**Carcinogen Status:** None of the components of this product are listed as carcinogens by IARC, NTP or ACGIH.

**Medical Conditions Aggravated by Exposure:** Persons with pre-existing skin and respiratory disorders.

## Acute Toxicity Values:

This product has not been tested as a whole. The following is the available toxicity data for the components.

Polyurethane Prepolymer: No data available

4,4''-Methylenediphenyl diisocyanate: Oral rat LD50: 9200 mg/kg; Inhalation Rat LC50:369-380 mg/m<sup>3</sup>/4 hr

## SECTION 12: ECOLOGICAL INFORMATION

No data is currently available

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

Not regulated as a hazardous material under US DOT or Canadian TDG regulations.

## SECTION 15: REGULATORY INFORMATION

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains

all of the information required by the CPR.

**Canadian WHMIS Classification:** Class D - Division 2 - Subdivision A - (A very toxic material causing other toxic effects)

**Canadian WHMIS Hazard Symbols:**



## SECTION 16: OTHER INFORMATION

**HMIS RATING:** Health = 2\* Fire = 1 Reactivity = 0

The information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Henkel Corporation as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Henkel Consumer Adhesives assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.