

# LP LEGACY® PREMIUM SUB-FLOOR ADHESIVE

## SAFETY DATA

### SECTION 1. IDENTIFICATION

**PRODUCT IDENTIFIER:**

LP Legacy® Premium Sub-Floor Adhesive

**RECOMMENDED USES:**

Refer to Technical Information

**USES ADVISED AGAINST:**

Refer to Technical Information

**MANUFACTURER CONTACT:**

Louisiana-Pacific Corporation

414 Union Street, Suite 2000 Nashville, TN 37219

LPCorp.com

Telephone (General) • 1-877-744-5600

### SECTION 2. HAZARDS IDENTIFICATION

**CLASSIFICATION:**

CARCINOGENICITY - Category 2

FLAMMABLE AEROSOLS - Category 1

GASES UNDER PRESSURE - Liquefied gas

SENSITIZATION - RESPIRATORY - Category 1

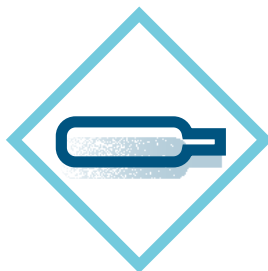
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

SKIN CORROSION/IRRITATION - Category 3

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

**SIGNAL WORD:**

Danger

**PICTOGRAM:**

## SECTION 2. HAZARDS IDENTIFICATION (CONTINUED)

### HAZARD STATEMENTS:

- Causes mild skin irritation.
- Causes serious eye irritation.
- Contains gas under pressure; may explode if heated.
- Extremely flammable aerosol.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause respiratory irritation; may cause drowsiness or dizziness.
- Suspected of causing cancer (state route of exposure if no other routes of exposure cause the hazard).

### PRECAUTIONARY STATEMENTS RESPONSE:

- Call a poison center or doctor if you feel unwell.
- If experiencing respiratory symptoms: Call a poison center/doctor.
- If exposed or concerned: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
- If inhaled: Remove person to fresh air and keep comfortable for breathing. If skin irritation occurs: Get medical advice/attention.

### PREVENTION:

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Do not handle until all safety precautions have been read and understood. Do not spray on an open flame or other ignition source.
- In case of inadequate ventilation, wear respiratory protection.
- Keep away from heat.
- Obtain special instructions before use.
- Pressurized container: Do not pierce or burn, even after use.
- Use only outdoors or in a well-ventilated area.
- Wash thoroughly after handling.
- Wear eye protection/face protection.

### STORAGE:

- Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F.
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.

### DISPOSAL:

Dispose of contents/container in accordance with local, regional, national and international regulations.

### INGREDIENTS OF UNKNOWN TOXICITY:

0%

### OTHER HAZARDS:

Persons already sensitized to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product is not to be used under conditions of poor ventilation. Gas/vapor spreads at floor level: ignition hazard.

## SECTION 3. INGREDIENTS

CAS	INGREDIENT NAME	WEIGHT %
13674-84-5	2-Propanol, 1-Chloro-, Phosphate (3:1)	1-20%
25791-96-2	Glyceryl Polypropylene Glycol Triether	1-20%
75-28-5	Isobutane	1-10%
115-10-6	Dimethyl Ether	1-10%
74-98-6	Propane	1-10%
78-40-0	Triethyl Phosphate	1-10%
101-68-8	4,4'-Diphenylmethane Diisocyanate	> 25%
9016-87-9	Polymeric Diphenylmethane Diisocyanate	> 25%

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4. FIRST AID MEASURES

### INHALATION:

Remove victim from exposure area to fresh air. If experiencing respiratory symptoms, call a poison center/doctor.

### SKIN CONTACT:

Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

### EYE CONTACT:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists, get medical attention.

### INGESTION:

Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical advice if you feel unwell.

### MOST IMPORTANT SYMPTOMS/EFFECTS:

#### Acute:

Dry throat, sore throat, irritation to respiratory tract. May cause irritation of mucous membranes, runny nose, skin irritation, eye irritation, lacrimation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness.

#### Delayed:

Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure: liver, thyroid gland.

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically and supportively.

## **SECTION 5. FIRE FIGHTING MEASURES**

### **SUITABLE EXTINGUISHING MEDIA:**

ABC-powder, BC-powder.

### **UNSUITABLE EXTINGUISHING MEDIA:**

CO<sub>2</sub>, water, foam.

### **SPECIAL HAZARDS ARISING FROM THE CHEMICAL:**

On burning: releases toxic and/or corrosive gases. Extremely flammable aerosol. Pressurized container: may burst if heated.

### **HAZARDOUS COMBUSTION PRODUCTS:**

Phosphorus oxides, nitrous vapors, hydrogen chloride, carbon monoxide, carbon dioxide.

### **FIRE FIGHTING MEASURES:**

Move container from fire area if it can be done without risk. Damaged cylinders should be handled only by specialists. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Do not direct water at source of leak or safety devices; icing may occur. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in fire.

### **SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**

Wear full protective fire fighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

### **OTHER HAZARDS:**

Persons already sensitized to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product is not to be used under conditions of poor ventilation. Gas/vapor spreads at floor level: ignition hazard.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

Wear personal protective clothing and equipment; see Section 8.

### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:**

Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements, or confined areas. Allow substance to evaporate. Ventilate the area.

### **ENVIRONMENTAL PRECAUTIONS:**

Avoid release to the environment.

## SECTION 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING:

Vapors are heavier than air. Observe good hygiene and safety practices when handling this product. Remove contaminated clothing and shoes immediately. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition sources. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wear respiratory protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

### CONDITIONS FOR SAFE STORAGE:

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Protect from sunlight.
- Do not expose to temperatures exceeding 50° C/122° F. Store in a cool, dry area.
- Keep from direct sunlight.
- Ventilation at floor level.
- Store in fireproof room.
- Keep unauthorized personnel away.
- Shelf life is 18 months.

### INCOMPATIBLE MATERIALS:

No data available.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT NAME	ACGIH TLV	OSHA PEL	STEL
2-Propanol, 1-Chloro-Phosphate (3:1)	N/A	N/A	N/A
Glyceryl Polypropylene Glycol Triether	N/A	N/A	N/A
Isobutane	1,000 ppm	N/A	1,000 ppm
Dimethyl Ether	N/A	400 ppm	N/A
Propane	1,000 ppm TWA	1,000 ppm PEL	N/A
Triethyl Phosphate	N/A	N/A	N/A
4,4'-Diphenylmethane Diisocyanate	TWA: 0.005 ppm	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m <sup>3</sup>	N/A
Polymeric Diphenylmethane Diisocyanate	0.005 ppm	0.02 mg/m <sup>3</sup>	N/A

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)**

### **PERSONAL PROTECTIVE EQUIPMENT:**

Eye protection, gloves.

### **ACGIH - THRESHOLD LIMIT VALUES - BIOLOGICAL EXPOSURE INDICES (BEI):**

There are no biological limit values for any of this product's components.

### **ENGINEERING CONTROLS:**

Use explosion-proof lighting equipment. Ensure compliance with applicable exposure limits.

### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**

#### **Skin Protection:**

Wear appropriate chemical-resistant clothing. Wear fire/flame-resistant/retardant clothing. Refer to NFPA 2112, Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire and NFPA 2113, Standard on the Selection, Use, Care and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-duration Thermal Exposures from Fire (2015).

#### **Respiratory Protection:**

Respirators depend on exposure level. SCBA with full face piece recommended during change outs and available in case of emergency.

#### **Glove Recommendations:**

Wear appropriate chemical-resistant gloves.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol
Color	Orange
Odor	Characteristic odor
Odor Threshold	N/A
Solubility	N/A
Partition Coefficient Water/n-Octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.982
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
pH	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	Extremely Flammable Aerosol
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

Note: The above information is not intended for use in preparing product specifications. Contact LP before writing specifications.

## SECTION 10. STABILITY AND REACTIVITY

### REACTIVITY:

May be ignited by heat, sparks or flames. Gas/vapor spreads at floor level: ignition hazard.

### CHEMICAL STABILITY:

Stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

### CONDITIONS TO AVOID:

Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition sources. Keep away from sources of ignition.

### INCOMPATIBLE MATERIALS:

Not available.

### HAZARDOUS COMBUSTION PRODUCTS:

Phosphorus oxides, nitrous vapors, hydrogen chloride, carbon monoxide, carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE:

#### Inhalation:

Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

#### Skin Contact:

Causes skin irritation. May cause an allergic skin reaction.

#### Eye Contact:

Causes serious eye irritation.

#### Ingestion:

No information on significant adverse effects.

### IMMEDIATE EFFECTS:

Dry throat, sore throat. Irritation to respiratory tract. May cause irritation of mucous membranes, runny nose, skin irritation, eye irritation, lacrimation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness.

### DELAYED EFFECTS:

Suspected of causing cancer. Causes damage to the respiratory system through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure: liver, thyroid gland.

### IRRITATION/CORROSIVITY DATA:

Causes skin irritation, eye irritation, respiratory tract irritation.

### RESPIRATORY SENSITIZATION:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### DERMAL SENSITIZATION:

May cause an allergic skin reaction.



## SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

### COMPONENT CARCINOGENICITY:

**Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9 IARC:**

Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable)).

#### DFG:

Category 4 (no significant contribution to human cancer).

**4,4'-Methylenediphenyl diisocyanate 101-68-8 IARC:**

Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable)).

#### DFG:

Category 4 (no significant contribution to human cancer)

### GERM CELL MUTAGENICITY:

No information available for the product.

### TUMORIGENIC DATA:

No information available for the product.

### REPRODUCTIVE TOXICITY:

No information available for the product.

### SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:

Respiratory system.

### SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:

Respiratory system, liver, thyroid gland.

### ASPIRATION HAZARD:

No information available for the product.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

No information available for the product.

## SECTION 12. ECOLOGICAL INFORMATION

### COMPONENT ANALYSIS - AQUATIC TOXICITY:

#### Fish:

LC50 96 h Brachydanio rerio 56.2 mg/L [static]; LC50 96 h Pimephales promelas 98 mg/L [static]; LC50 96 h Poecilia reticulata 30 mg/L [static].

#### Algae:

EC50 72 h Desmodesmus subspicatus 45 mg/L IUCLID; EC50 96 h Pseudokirchneriella subcapitata 4 mg/L IUCLID.

#### Invertebrate:

EC50 48 h Daphnia magna 63 mg/L IUCLID.

## SECTION 13. DISPOSAL

### DISPOSAL METHODS:

Dispose of contents/container in accordance with local/regional/national/international regulations.

### COMPONENT WASTE NUMBERS:

The U.S. EPA has not published waste numbers for this product's components.

## SECTION 14. TRANSPORT INFORMATION

### UN NUMBER:

1950

### DOT CLASSIFICATION:

Hazard Class: 2.1

Required Label(s): 2.1

### PACKING GROUP:

None assigned.

### IATA INFORMATION:

Shipping Name: AEROSOLS, FLAMMABLE

Hazard Class: 2.1

UN#: UN1950

Required Label(s): 2.1

### IMDG INFORMATION:

Shipping Name: AEROSOLS

Hazard Class: 2

UN#: UN1950

Required Label(s): 2

### TDG INFORMATION:

Shipping Name: AEROSOLS

Hazard Class: 2.1

UN#: UN1950

Required Label(s): 2.1

## SECTION 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

### SARA:

Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9

SARA 313: 1 % de minimis concentration

4,4'-Methylenediphenyl diisocyanate 101-68-8

SARA 313: 1 % de minimis concentration CERCLA: 5000 lb final RQ ; 2270 kg final RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories Flammable; Carcinogenicity; Acute Toxicity; Skin Corrosion/Irritation; Respiratory/Skin Sensitization; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity.

### U.S. STATE REGULATIONS:

The following components appear on one or more of the following state hazardous substances lists:

Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9 NJ

4,4'-Methylenediphenyl diisocyanate 101-68-8 CA, MA, MN, NJ, PA

Dimethyl ether 115-10-6 MA, MN, NJ, PA

Isobutane 75-28-5 MA, NJ, PA

Propane 74-98-6 MA, MN, NJ, PA



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## SECTION 15. REGULATORY INFORMATION (CONTINUED)

### CALIFORNIA PROP 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### CANADIAN WHMIS INGREDIENT DISCLOSURE LIST (IDL):

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The list is composed of chemicals which must be identified on state SDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

## SECTION 16. OTHER INFORMATION

### U.S. FEDERAL REGULATIONS:

Disclaimer: The data contained herein is based upon information that LP believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

**LP Legacy® Premium Sub-Floor Adhesive is designed for use with LP Legacy® Premium Sub-Flooring and LP® TopNotch® 350 Durable Sub-Flooring**



**Visit [LPCorp.com/Legacy](http://LPCorp.com/Legacy) or call 1-888-820-0325 today!**

**Emergency Phone: CHEMTREC 800-424-9300**

**⚠ CAUTION:** KEEP OUT OF REACH OF CHILDREN. For professional use only. KEEP AWAY FROM HEAT (>50 °C/122 °F), SPARKS AND OPEN FLAME. DO NOT PUNCTURE OR INCINERATE CAN. DO NOT EXPOSE TO DIRECT SUNLIGHT. USE ONLY IN WELL VENTILATED AREAS. In case of eye contact, flush eye with water for 15 minutes and get immediate medical attention. For inhalation, move to fresh air. For skin contact, wash thoroughly with water and soap. If swallowed, drink large quantities of water, but do not induce vomiting. Call a physician immediately. Refer to SDS for further information.