

## SAFETY DATA SHEET

LAMIN-ART<sup>®</sup> HIGH-PRESSURE DECORATIVE LAMINATE

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** Lamin-Art<sup>®</sup> High-Pressure Decorative Laminate (All Grades and Thicknesses)

**Supplier:** Lamin-Art, Inc.  
1670 Basswood Road  
Schaumburg, IL 60173  
800-323-7624

**Manufacturer:** Arborite, Division of ITW Canada  
385 LaFluer  
LaSalle (Quebec) Canada H8R 3H7  
800-996-0366

**Trade Name:** High-Pressure Decorative Laminate (HPDL) (All Grades and Thicknesses)

**Material Uses:** Decorative Laminate

**Revision #:** 1

**In Case of Emergency Contact:** CHEMTREC 800-424-9300 (USA)  
703-527-3887 (INTERNATIONAL)

### SECTION 2: HAZARDS IDENTIFICATION

**Route of Entry:** None for product as sold. For dust or chips generated during fabrication operations: eye contact, skin contact, and inhalation.

**Target Organs:** None

**Inhalation:** No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating or harmful if inhaled. See Section 8. Repeated and prolonged inhalation of dust may lead to chronic respiratory irritation.

**Skin Contact:** Solid sheet may be abrasive to, or cut skin. Fabrication operations such as milling, cutting, grinding, etc. may produce dust or chips that may be irritating.

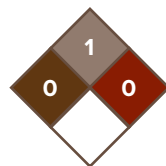
**Eye Contact:** No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating.

**Ingestion:** Not an expected route of entry.

#### HMIS (United States)

Health	0
Flammability	1
Reactivity	0
PPE	B

#### NFPA (United States)



#### WHMIS (Canada):

Not classified as hazardous

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS#	% BY WEIGHT
Cellulose Fiber	9004-34-6	25-60
Formaldehyde Resins	Not Available	10-50

### SECTION 4: FIRST AID MEASURES

**Inhalation:** No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating or harmful if inhaled. If irritation persists, seek medical attention.

**Skin Contact:** Solid sheet may be abrasive to, or cut skin. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating. If irritation persists, seek medical attention.

**Eye Contact:** No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating. For dust or chips, flush eyes with water. If irritation persists, seek medical attention.

**Ingestion:** Not an expected route of entry with normal use of product.

## SECTION 5: FIRE FIGHTING MEASURES

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<b>Flash Point:</b>	Not Applicable
<b>Flash Point Method:</b>	Not Applicable
<b>Autoignition Temp:</b>	Not Available
<b>Burning Rate:</b>	Not Available

Use extinguishing media appropriate for surrounding fire. Wear fire-protective equipment appropriate for the surrounding fire. Hazardous products of combustion include carbon oxides (CO and CO<sub>2</sub>).

### Unusual Fire and Explosion Hazards

Product as sold does not present an explosion hazard. Finely divided dust generated by fabrication operations such as milling, cutting, grinding, etc., can create an explosion hazard if the airborne dust concentration exceeds 900 grams per cubic meter and it contacts an ignition source greater than 8 Joules. (A person standing in a uniformly dispersed dust cloud of 50 grams per cubic meter will not be able to see his/her outstretched hand.)

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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<b>Small Spill or Leak:</b>	Not Applicable
<b>Large Spill or Leak:</b>	Not Applicable

## SECTION 7: HANDLING AND STORAGE

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**Handling Precautions:** No specific usage precautions required. Follow normal good hygiene practices. Protect exposed areas from cuts and abrasions.

**Storage Requirements:** Store in a well-ventilated area. Trace amounts of formaldehyde may be released when laminate is shipped or stored.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering Controls:** No special ventilation requirements for product as sold. Provide adequate ventilation to meet exposure guideline if fabrication operations generate dust or fumes.

**Protective Equipment:** Respirators - No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Protective gloves - Gloves suitable for protection against cuts and abrasions from sharp edges are recommended.

Eye protection - Wear safety goggles during fabrication operations that produce chips, fine particulates, or dust.

**Product Name:** Cellulose

### Exposure Limits:

Cellulose dust*:	OSHA PEL:	5mg/m <sup>3</sup> Respirable
		15mg/m <sup>3</sup> Total
	ACGIH:	TWA 10 mg/m <sup>3</sup>

\*This product is manufactured using cellulose (wood) fibers. Fabrication of this product may produce cellulose dust. Consult local authorities and regulations for exposure limits.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Solid Decorative Sheet	<b>Boiling Point:</b>	Not Applicable
<b>Physical State:</b>	Solid	<b>Freezing / Melting Point:</b>	Not Applicable
<b>Odor:</b>	None	<b>Solubility:</b>	Not Soluble
<b>pH:</b>	Not Applicable	<b>Specific Gravity / Density:</b>	Not Available
<b>Vapor Pressure:</b>	Not Applicable		
<b>Vapor Density:</b>	Not Applicable		
<b>VOC:</b>	Not Applicable		

## SECTION 10: STABILITY AND REACTIVITY

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<b>Stability:</b>	Product is stable as supplied
<b>Conditions to Avoid:</b>	None
<b>Materials to Avoid:</b>	None
<b>Hazardous Decomposition Products:</b>	Carbon Oxides (CO and CO <sub>2</sub> )
<b>Hazardous Polymerization:</b>	Will not polymerize

## SECTION 11: TOXICOLOGICAL INFORMATION

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**Toxicity to Animals:** This product has not been tested for animal effects. This product is not expected to be toxic to animals.

**Toxicity to Humans:** This product has not been tested for human effects. This product is not expected to be toxic to humans.

## SECTION 12: ECOLOGICAL INFORMATION

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<b>Ecotoxicity:</b>	Not Available. Not expected to be ecotoxic.
<b>BOD5 and COD:</b>	Not Available
<b>Biodegradable / OECD:</b>	Not Available
<b>Mobility:</b>	Not Available
<b>Toxicity of the Products of Biodegradation:</b>	Not Available
<b>Special Remarks on the Products of Biodegradation:</b>	Not Available

## SECTION 13: DISPOSABLE INFORMATION

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Dispose of in accordance with Federal, State, and local regulations.

## SECTION 14: TRANSPORT INFORMATION

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<b>Restriction:</b>	None known.
<b>DOT Requirements:</b>	Not a DOT controlled material (United States)
<b>ADR Requirements:</b>	Not an ADR controlled material (Europe)
<b>IMDG Requirements:</b>	Not an IMDG controlled material
<b>IATA Requirements:</b>	Not an IATA controlled material
<b>Marine Pollutant:</b>	Not expected to be a marine pollutant

## SECTION 15: REGULATORY INFORMATION

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### United States of America Federal Regulations

TSCA inventory: The chemicals in this product are listed.  
 SARA 302/304/322/312 Extremely hazardous substances: None.  
 SARA 302/304 Emergency planning and notification: None.  
 SARA 302/304/311/312 Hazardous chemicals: None.  
 SARA 311/312 MSDS distribution, chemical inventory, hazard identification: None.  
 SARA 313 Toxic chemical notification and release reporting: None.  
 CWA 307: None.  
 CWA 311: None.  
 CAA 112 Accidental release prevention: None.  
 CAA 112 Regulated flammable substances: None.  
 CAA 112 Regulated toxic substances: None.

### United States of America State Regulations

California Proposition 65: This product contains the following ingredients known to the state of California to cause cancer: Formaldehyde (CAS 50-00-0) in trace amounts.

### Canadian Federal Regulations

Transportation of Dangerous Goods Act, S.C. 1992, c. 34: None.  
Hazardous Products Act, R.S.C. 1985, c. H-3: None.  
Controlled Products Regulations, S.O.R./88-66: None.  
Hazardous Materials Information Review Act, 1985, c. 24: None  
Canadian Environmental Protection Act, S.C. 1999, c. 33 s. 200.1: This product contains, in trace amounts, ingredients included in the National Pollutant Release Inventory (NPRI): Formaldehyde (CAS 50-00-0), Phenol 108-95-2, Methanol 67-56-1.

### Canadian Provincial Regulations

None

### International Regulations

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

## SECTION 16: OTHER INFORMATION

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### References

**Lewis, R.J., Rapid Guide to Hazardous Chemicals in the Workplace, 4th ed.**, Wiley-Interscience, New York, 2000.  
**NIOSH Pocket Guide to Chemical Hazards**, Department of Health and Human Services, National Institute for Occupational Safety and Health, 2004.  
**TLVs and BEIs**, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGI Worldwide, Cincinnati, 2003.

### Glossary

ACGIH - American Conference for Governmental Industrial Hygienists  
ASTM - American Society for Testing and Materials  
ADR - Agreement on Dangerous Goods by Road (Europe)  
BOD5 - Biological Oxygen Demand in 5 Days  
CAA - Clean Air Act  
CAS - Chemical Abstracts Services  
CEPA - Canadian Environmental Protection Act  
CERCLA - Comprehensive Environmental Response, Compensations and Liability Act  
CFR - Code of Federal Regulations  
CWA - Clean Water Act  
DOT - Department of Transportation  
DSCL - Dangerous Substances Classification and Labeling (Europe)  
DSL - Domestic Substance List (Canada)  
EEC/EU - European Economic Community/European Union  
EINECS - European Inventory of Existing Commercial Chemical Substances  
HCS - Hazard Communication System  
HMIS - Hazardous Material Information System  
IARC - International Agency for Research on Cancer  
LD50/LC50 - Lethal Dose/Concentration kill 50%  
LDLo/LCLo - Lowest Published Lethal Dose/Concentration  
NIOSH - National Institute for Occupational Safety & Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety & Health Administration  
PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
SARA - Superfund Amendments and Reorganization Act  
STEL - Short Term Exposure Limit (15 minutes)  
TDG - Transportation of Dangerous Goods (Canada)  
TLV-TWA - Threshold Limit Value-Time Weighted Average  
TSCA - Toxic Substances Control Act  
WHMIS - Workplace Hazardous Material Information System

### Notice to Reader

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.**

**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**