LAMIN-ART

MATERIAL SAFETY DATA SHEET

LAMIN-ART® HIGH-PRESSURE DECORATIVE LAMINATE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Common Name: Lamin-Art® 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 #: 0

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

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

Flash Point: Not Applicable

Flash Point Method: Not Applicable

Autoignition Temp: Not Applicable

Burning Rate: Not Applicable

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_2).

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 able to see his/her outstretched hand.)

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill or Leak: Not Applicable

Large Spill or Leak: Not Applicable

SECTION 7: HANDLING AND STORAGE

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

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.

Exposure Guidelines / Other:

Product Name	Exposure Limits
Cellulose	Cellulose dust*: OSHA PEL: 5mg/m^3 Respirable 15mg/m^3 Total ACGIH: TWA 10 mg/m^3

* 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

Appearance: Solid Decorative Sheet

Physical State: Solid

Odor: None

pH: Not Applicable

Vapor Pressure: Not Applicable

Vapor Density: Not Applicable

VOC: Not Applicable

Boiling Point: Not Applicable

Freezing / Melting Point: Not Applicable

Solubility: Not Soluble

Specific Gravity / Density: Not Available

SECTION 10: STABILITY AND REACTIVITY

Stability:	Product is stable as supplied
Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	Carbon Oxides (CO and CO_2)
Hazardous Polymerization:	Will not polymerize

SECTION 11: TOXICOLOGICAL INFORMATION

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

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

SECTION 13: DISPOSABLE INFORMATION

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

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

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

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 - Permissable 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 herin 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.