

MSDS Number: A005

Metalcor Laminate

Revision Date: 04/nov/08

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1 PRODUCT AND COMPANY IDENTIFICATION

Common Name Metalcor Laminate
(All Grades and Thicknesses)

Manufacturer ARBORITE, DIVISION DE/OF ITW CANADA
385 LAFLEUR
LASALLE (QUÉBEC) CANADA H8R 3H7
INFORMATION PHONE: 800-996-0366

Synonyms Metalcore Laminate

Material Uses Decorative Laminate

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In Case of Emergency Contact:

1-613-996-6666 Transport Canada's Canadian Transport Emergency Centre (CANUTEC)

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.

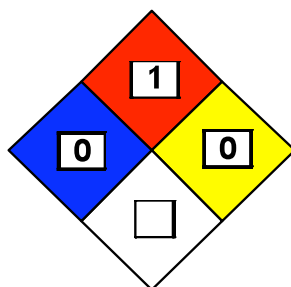
Ingestion: Not an expected route of entry.

HMIS (United States):

NFPA (United States):

WHMIS (Canada): Not classified as hazardous

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPE	B



3 COMPOSITION/INFORMATION ON INGREDIENTS

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Name	CAS#	% by Weight
Cellulose Fiber	9004-34-6	25 – 60
Formaldehyde Resins	not available	10 – 50
Aluminium	7429-90-5	55 – 95

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.

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 CO₂).

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.)

6 ACCIDENTAL RELEASE MEASURES

- Small Spill or Leak:** Not Applicable.
- Large Spill or Leak:** Not Applicable.

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 dry well-ventilated area. Trace amounts of formaldehyde may be released when laminate is shipped or stored.

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).

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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, fines or dust.

Exposure Guidelines / Other:

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

*Not applicable to product as sold, but dust maybe produced during fabrication process.

9 PHYSICAL AND CHEMICAL PROPERTIES

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

10 STABILITY AND REACTIVITY

Stability:	Product is stable as supplied.
Conditions to Avoid:	None.
Materials to Avoid (incompatibility):	None. Finely divided aluminum (aluminum dust) may produce hydrogen gas when in contact with acids and bases.
Hazardous Decomposition Products:	Carbon oxides (CO and CO ₂).
Hazardous Polymerization:	Will not polymerize.

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.

12 ECOLOGICAL INFORMATION

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

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

Restrictions:	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.

15 REGULATORY INFORMATION

U.S. 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.

International Regulations

DSL (Canada) – None.
EINECS – None.
WHIMS – Not classified as hazardous.

State Regulations

Massachusetts RTK: None.
Minnesota: None.
New Jersey RTK: None.
Pennsylvania RTK: None.
Rhode Island: None.
California Proposition 65: This product contains the following ingredients know to the state of California to cause cancer:
Formaldehyde (CAS 50-00-0) in trace amounts.

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 of 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
DSCCL – 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
NFPA – National Fire Prevention Association
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.