

Material Safety Data Sheet

WHMIS  Not controlled under WHMIS (Canada).	Protective Clothing 	TDG Road / Rail  Not controlled under TDG (Canada).
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Section 1. Product Identification and Uses

Product Name	Industrial Phenolic Laminate	CI#	Not available.
Synonym	Phenolic based laminate	DSL	All ingredients are listed.
Chemical Name	Phenolic resin based laminate.	CAS #	Not available.
Chemical Formula	(C6H6O.CH2O)X.cellulose	Code	EPG--, BAT--, NEMA GRADE X, XX, XXX, XP, XXP, XXXP, XPC, XXPC, XXXPC LAMINATE
Chemical Family	Phenolic laminate	Molecular Weight	Not available.
Supplier	Arborite, div. of ITW Canada 385 LaFleur Avenue LaSalle, Quebec, Canada H8R 3H7	Manufacturer	Arborite, div. of ITW Canada 385 LaFleur Avenue LaSalle, Quebec, Canada H8R 3H7
Material Uses	Industrial applications		

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
No hazardous ingredient.			

Section 3. Physical Data

Physical State and Appearance	Solid.	Odor	Odourless.
pH (1% Soln/Water)	Not applicable	Taste	Not applicable.
Odor Threshold	Not applicable	Color	Brown, tan or black
Volatility	Not applicable.		
Evaporation Rate	Not applicable.		
Melting Point	Not applicable		
Boiling Point	Not applicable		
Specific Gravity	1.40 - 1.52		
Vapor Density	Not applicable		
Vapor Pressure	Not applicable		
LogK_{ow}	Not applicable		
Ionicity (Surface Active Agent)	Not applicable		
Critical Temperature	Not applicable		
Instability Temperature	Not applicable		
Conditions of Instability	Oxidizing material.		
Dispersion Properties	Not applicable		
Solubility	Insoluble in water.		

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Section 4. Fire and Explosion Data

The Product is:	Will char on exposure to fire.
Auto-ignition Temperature	>500°C
Products of Combustion	carbon oxides (CO, CO ₂)
Flash Points	Not applicable
Flammable Limits	Not applicable
Extinguishing Media	Water, dry chemical
Flammability of the Product	Not considered to be flammable. Will burn in a fire situation.
Risks of Explosion	Not considered to be a product presenting risks of explosion.

Section 5. Reactivity

Stability	Stable.
Hazardous Decomposition Products	Formaldehyde
Degradability	Not available.
Products of Degradation	Not available.
Corrosivity	Not considered to be corrosive.
Reactivity	Not considered to be reactive.
Instability Temperature	Not applicable
Conditions of Instability	Oxidizing material.

Section 6. Toxicological Properties

Routes of Entry	Inhalation (dust).
TLV	Not established for product.
Toxicity to Animals	No specific data.
Acute Effects on Humans	Dust generated during machining of product may cause mechanical irritation of eyes, skin, and respiratory system.
Chronic Effects on Humans	None known.
Synergetic Products (Toxicologically)	Not available.
Skin Irritation/Corrosivity	Dust may cause mechanical irritation.
Sensitization	Frequent exposure to dust can cause hypersensitivity.
Carcinogenic Effects	Not determined.

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Toxicity to Reproductive System	Not determined.
Teratogenic Effects	Not determined.
Mutagenic Effects	Not determined.

Section 7. Preventive Measures

Small Spill and Leak	Repack or restack.
Personal Protective Equipment	Safety glasses. Gloves suitable for protection against cuts from rough, sharp edges are recommended.
Large Spill and Leak	No additional information.
Protective Clothing	No additional information.
Engineering Controls	Use explosion-proof ventilation equipment/dust collectors.
Precautions	Dust generated during cutting, routing or sanding may aggravate existing respiratory conditions (i.e., asthma).
Storage	Store in a dry, cool and well ventilated area.
Handling	After handling, always wash hands thoroughly with soap and water.
Waste Disposal	Dispose of according to all federal, provincial and local regulations.
Special Shipping Information	No special precautions.



Section 8. First Aid Measures

Eye Contact	Dust - Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention if irritation persists.
Skin Contact	Dust - Wash contaminated skin with soap and water. Cover cuts with band aids.
Slight Inhalation	Dust - Remove to fresh air. If irritation persists, seek medical attention.
Slight Ingestion	Dust - apply gastric lavage of 1% ammonium carbonate, induce vomiting, obtain medical attention.

Section 9. MSDS Preparation

References	-Manufacturer's Material Safety Data Sheet.
	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
	CAS - Chemical Abstract Services
	CEPA - Canadian Environmental Protection Act
	CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
	CFR - Code of Federal Regulations
	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%

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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

CEPA DSL: All ingredients are listed.

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Emergency Telephone Number (Canutec): 613-996-6666

Responsible Name / Telephone No.: Michel Boisvert
 514-366-2710, ext. 417

Classification

TDG Road / Rail: Not controlled under TDG (Canada).

TDG Shipping name: Phenolic laminate

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