



# SAFETY DATA SHEET

SDS No: 0004

## Section 1. Product and Company Identification

**Product Name:** LaserMax Contemporary Wood Collection  
**Trade Name:** Film-stamped Impact Modified Acrylic  
**Recommended Use:** Signage, Other  
**Restrictions on Use:** None

<b>Manufacture:</b> Rowmark 5409 Hamlet Drive Findlay, OH 45840	<b>In Case of Emergency:</b> Call: Medical: 911 Poison Control: 800-589-3897
	<b>Information:</b> Call: 1-877-ROWMARK Email: <a href="mailto:techhelp@rowmark.com">techhelp@rowmark.com</a>

## Section 2. Hazard Identification

GHS Classification: Not Classified  
GHS Label Elements: Not Applicable

NEW GHS Hazard Categories
Category 1 = Severe Hazard
Category 2 = Serious Hazard
Category 3 = Moderate Hazard
Category 4 = Slight Hazard
Category 5 = Minimal Hazard

### GHS Rating

Health	5
Flammability	4
Instability	5

## Section 3. Composition / Information on Ingredients

Name	CAS #	% by Weight	OSHA
P (EA/MMA)	Proprietary	50-54	N
Acrylic Styrene Copolymer	Proprietary	35-50	N
Methyl methacrylate	80-62-6	< 0.5	Y
Ethyl acrylate	140-88-5	< 0.1	Y
Aluminium Flake	7429-90-5	1-5	
Carbon Black	1333-86-4	1-5	
Copper	7440-50-8	1-2	

The substance(s) marked with a "Y" in the OSHA column are identified as hazardous chemicals according to the criteria of the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

While this material is not classified as hazardous under Federal OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

The components of this product are all on the TSCA Inventory list. \* Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

## Section 4. First Aid Measures

**Inhalation:** Dust and process vapors may be irritation to the nose, throat and respiratory tract. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get Medical attention.

**Eyes:** Dust, fines and process vapors may irritate the eyes. Immediately flush eyes with water for at least 15 minutes. Get medical attention.

**Skin:** Exposure to molten plastic may cause thermal burns. If molten material comes in contact with the skin, cool under ice water or a running stream.

**Ingestion:** No adverse health effects expected from ingestion.

## Section 5. Fire-Fighting Measures

**Suitable Extinguishing Methods:** Dry Chemical, Water Spray, Foam Carbon Dioxide. Avoid using direct streams of water on molten burning material.

**Unsuitable Extinguishing Methods:** NONE known.

Hazards During Fire-fighting: Carbon monoxide, carbon dioxide, original monomer other hydrocarbon oxidation products.

Protective Equipment: Wear self-contained breathing apparatus and protective suit.

### Section 6. Accidental Release Measures

Personal Precautions: See Section 8 - Exposure Controls / Personal Protection.

Environmental Precautions: No Special environmental precautions required.

### Methods and Materials for Containment and Cleaning Up

Spill / Leak: Containment of this material should not be necessary. Sweep up or gather material and place in appropriate container for disposal.

### Section 7. Handling and Storage

Handling: Keep away from heat, flame and strong oxidizing agents.

Storage: Keep away from heat, sparks, and flame. Store in cool place in original container and protect from sunlight.

### Section 8. Exposure Control and Personal Protection

#### Exposure Limits:

1) Effects of Acute Exposure: Inhalation of vapors may result in irritation of upper respiratory tract

2) OSHA PEL: US. ACGIH Threshold Limit Values

Form: Inhalable particles  
Time weighted average 10 mg/m<sup>3</sup>

Form: Respirable particles  
Time weighted average 3 mg/m<sup>3</sup>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Form: Respirable fraction  
PEL: 5 mg/m<sup>3</sup>

Form: Total dust  
PEL: 15 mg/m<sup>3</sup>

US. OSHA Table Z-3 (29 CFR 1910.1000)

Form: Respirable fraction  
Time weighted average 15 ppm

Form: Total dust  
Time weighted average 50 ppm

Form: Respirable fraction  
Time weighted average 5 mg/m<sup>3</sup>

Form: Total dust  
Time weighted average 15 mg/m<sup>3</sup>

#### Engineering Controls:

Use recommended safe handling practices to minimize unnecessary exposure.

General room ventilation is adequate for storage and ordinary handling.

Use local exhaust at points of fume generation or if dusty conditions prevail.

#### Personal Protective Equipment:

Wear safety glasses with side shields or chemical goggles to prevent eye contact.

Have eye-washing facilities readily available where eye contact can occur.

Wear impervious gloves and protective clothing to prevent skin contact.

### Section 9. Physical and Chemical Properties

Appearance: Various Colors Vapor Pressure: Not Applicable

Odor: Slightly acrylic Vapor Density: Not Applicable

pH: Not applicable Relative Density: 1.19 g/cm<sup>3</sup>

Melting Point / Freezing Point: No data available Solubility (ies): Not Applicable

Boiling Point:	No data available	Partition Coefficient (N-Octanol/W:	No data available
Flash Point:	Not applicable	Auto-Ignition Temperature:	739°F (393°C)
Evaporation Rate:	Not applicable	Decomposition Temperature:	>572°F (> 300°C)
Flammability (solid, gas):	See GHS in section	Viscosity:	No data available
Upper Explosive Limit:	Not applicable	Specific Gravity:	1.19 Water = 1 (liquid)
Lower Explosive Limit:	Not applicable	Percent Volatile:	0%

### Section 10. Stability Reactivity

Reactivity:	No data available
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur
Conditions to Avoid:	Avoid flames, welding arcs, potential ignition sources, or other high temperature sources, prolonged contact with acids, alkalis and strong oxidizing agents
Incompatible Materials:	None under normal conditions of use
Hazardous Decomposition Products:	Carbon oxides, Acrylates, Methacrylates, Hazardous organic compounds
Combustion Products:	No data available

### Section 11. Toxicological Information

#### Irritation Effects

Eye Irritation:	Solid particles may cause transient irritation from mechanical abrasion.
Skin Irritation:	Not expected to cause skin irritation. Molten material may cause thermal burns.
Inhalation:	Not a likely route of exposure. Process fumes may cause irritation.
Ingestion:	May cause a choking hazard if swallowed.

#### Data for PLEXIGLAS® DR®-101 ACRYLIC

##### Acute Toxicity

Dermal:	Acute toxicity estimate > 5,000 mg/kg
Inhalation:	4 h Acute toxicity estimate > 10 mg/L

#### Data for Acrylic copolymers (Proprietary)

##### Other Information

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Effects due to processing releases or residual monomer: Possible cross sensitization with other acrylates and methacrylates.

#### Data for Acrylic styrene copolymers (proprietary)

##### Other Information

The information presented is from a representative material with a similar structure. The results vary depending on the size and composition of the test substance.

Effects due to processing releases or residual monomer: Possible cross sensitization with other acrylates and methacrylates.

#### Additional Toxicological Information

When used and handled according to specifications, the product does not have any harmful effects according to research and information provided by suppliers.

#### Carcinogenic Effect

International Agency for Research on Cancer (IARC) : Group3 NOT classifiable as to its carcinogenicity to humans.

### Section 12. Ecological Information

Eco-toxicity:	Toxicity to fish - No relevant studies identified.
Persistence and Degradability:	This material is not expected to be readily biodegradable.
Bio-accumulate Potential:	Product is not likely to accumulate in biological organisms.
Mobility in Soil:	This Product has not been found to migrate through soils.
Other Adverse Effects:	This Substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

**Section 13. Disposal Considerations****Disposal Methods**

Product Recommendation:

1. Recycle (Reprocess) if product has not been contaminated so as to make it unsuitable for its intended use.
2. Disposal through controlled incineration or authorized waste dump in accordance with Local, State or Federal Laws.

**Section 14. Transportation Information**

UN Number: Not Relevant

UN Proper Shipping Name: Not Relevant

**Transportation Hazard Class(es)**

Special Precautions for User: No special precautions

**Section 15. Regulatory Information**

(Not meant to be all-inclusive -- selected regulations represented)

Hazard categories under criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	N	Delayed (Chronic) Health	N
Sudden Release of Pressure	N	Reactive	N
Fire	N		

The components of this product are all on the TSCA inventory list.

**SARA TITLE III, SECTION 313**

This product does contain chemical(s), which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See section 2.

**⚠ WARNING:**

This product can expose you to chemicals including styrene, which is known to the State of CA to cause cancer.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Methyl methacrylate	Not assigned	Not assigned	Not assigned
Aluminium	Not assigned	Not assigned	Not assigned
Copper	Not assigned	Not assigned	Not assigned
2-Propenoic acid, ethyl ester	140-88-5	0.10%	10000 lbs (otherwise used (non-manufacturing/processing)) 25000 lbs (manufacturing and processing)

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-Reportable Quantity (RQ)**

Chemical Name	CAS-No.	Reportable quantity
2-Propenoic acid, 2-methyl-, methyl ester	80-62-6	1000 lbs
2-Propenoic acid, ethyl ester	140-88-5	1000 lbs

**Section 16. Other Information**

The information presented in this Safety Data Sheet is based on data considered to be accurate as of the date this Safety Data Sheet was prepared. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

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