



# SAFETY DATA SHEET

SDS No: 0023

## Section 1. Product and Company Identification

Product Name: Reflexions

Trade Name: Polymethyl methacrylate mirror sheet

Recommended Use: Signage, Other

Restrictions on Use: None

Manufacture: Rowmark  
5409 Hamlet Drive  
Findlay, OH 45840

In Case of Emergency: Call: Medical:911  
Poison Control: 800-589-3897  
Email:  
Information: Call: 1-877-ROWMARK  
Email: [techhelp@rowmark.com](mailto:techhelp@rowmark.com)

## Section 2. Hazard Identification

GHS Classification: Not Classified

GHS Label Elements: Not Applicable

### GHS Rating

Health	5
Flammability	4
Instability	5
Special	

### NEW GHS Hazard Categories

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

Other Hazards: Not Applicable

## Section 3. Composition / Information on Ingredients

Name	CAS #	% by Weight	OSHA
P (EA/MMA)	Proprietary	9-100	N
Methyl methacrylate	80-62-6	< 1	Y
Ethyl acrylate	7429-90-5	0.1 MAX	N

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.
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### 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) Effects of Chronic Over Exposure:	None identified
3) OSHA Permissible Exposure Limits:	None identified

#### 4) Carcinogen Potential:

#### 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:	Odorless	Vapor Density:	Not Applicable
pH:	Not applicable	Relative Density:	1.1-1.2 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/Water):	No data available
Flash Point:	Not applicable	Auto-Ignition Temperature:	No data available
Evaporation Rate:	Not applicable	Decomposition Temperature:	No data available
Flammability (solid, gas):	See GHS in section 2	Viscosity:	No data available
Upper Explosive Limit:	Not applicable	Specific Gravity:	1.1-1.2 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

<b>Irritation Effects</b>	
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.

#### Polymethyl methacrylate

This material is a polymer of methyl methacrylate monomers. The polymer is considered to be biologically inert and the only known potential hazards are those resulting from the mechanical irritancy of dusts, which may arise from grinding and polishing operations. It has been reported to produce an asthmatic condition in an elderly individual after exposure to resin in dentures. No genetic changes were observed in tests using bacteria, animals or human cells.

### 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:	None identified

### Section 13. Disposal Considerations

<b>Disposal Methods</b>	
Product Recommendation:	<ol style="list-style-type: none"> <li>Recycle (Reprocess) if product has not been contaminated so as to make it unsuitable for its intended use.</li> <li>Disposal through controlled incineration or authorized waste dump in accordance with Local, State or Federal Regulations.</li> </ol>
Uncleaned Packaging Recommendation:	<ol style="list-style-type: none"> <li>Disposal must be done in accordance with Local, State, or Federal Regulation.</li> </ol>

### Section 14. Transportation Information

UN Number:	Not Relevant
UN Proper Shipping Name:	Not Relevant
<b>Transportation Hazard Class(es)</b>	
DOT:	Not Regulated/classified
ADR / RID:	Not Regulated/classified
IMDG:	Not Regulated/classified
ICAO/IATA	Not Regulated/classified
Packing Group:	Not Applicable
Environmental Hazards:	Not Relevant
Transportation in Bulk (According to Annex II of MARPOL 73/78 and IBC Code):	Not Relevant
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	Y	Delayed (Chronic) Health	N
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Sudden Release of Pressure	N	Reactive	N
Fire	N		

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

**INGREDIENT RELATED REGULATORY INFORMATION:**

	SARA REPORTABLE QUANTITIES	CERCLA RQ	SARA TPQ
	Methyl methacrylate	1000 LBS	N/A

OSHA HazCom: This Material is not Hazardous b OSHA Hazardous Communication Standard 29 CFR 1910.1200

SARA 313:

<b>Immediate Hazard:</b> NO	<b>Fire Hazard:</b> NO	<b>Reactivity Hazard:</b> NO
<b>Delayed Hazard:</b> NO	<b>Pressure Hazard:</b> NO	

**Section 16. Other Information**

No Additional Information

**NOTICE:** 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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