



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** USG® Translucents™ Canopies Ceiling Panels

### Other means of identification

**SDS number** 43000005002

**Recommended use** Interior use.

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

**Company name** USG Interiors, LLC

**Address** 550 West Adams Street  
Chicago, Illinois 60661-3637

**Telephone** 1-800-874-4968

**Website** www.usg.com

**Emergency phone number** 1-888-586-4267

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

### Precautionary statement

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** This product as supplied is not classified as a health hazard under the OSHA Hazard Communication Standard (29 CFR 1910.1200). However, under processing conditions, it may become a health hazard to employees because vapors and/or particulates could be released. See Section 7 for Storage and Handling information

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Polymethyl methacrylate	9011-14-7	99.5 - 100
Methyl methacrylate monomer	80-62-6	0 - 0.5

**Composition comments** One or more of the following co-components may be present in trace amounts: Polyester, Rayon, Nylon, Aluminum, Raime, Cotton, Silk, Natural straw or foliage, Paper, Glass, Natural Shells, Wood, Bamboo.

## 4. First-aid measures

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Skin contact** If burned by contact with molten material, cool as quickly as possible with cold water. Do not peel material from skin. Get medical attention for thermal burn.

<b>Eye contact</b>	If molten material or dust contacts the eye, immediately flush with water for at least 15 minutes. Call a physician.
<b>Ingestion</b>	Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.
<b>Most important symptoms/effects, acute and delayed</b>	Under normal conditions of intended use, this material does not pose a risk to health.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Carbon dioxide, dry chemical or water.
<b>Unsuitable extinguishing media</b>	Not applicable.
<b>Specific hazards arising from the chemical</b>	Product is combustible thermoplastic material that burns vigorously with intense heat.
<b>Special protective equipment and precautions for firefighters</b>	Wear self-contained, positive pressure breather apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
<b>Fire fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Specific methods</b>	Cool material exposed to heat with water spray and remove it if no risk is involved. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	See Section 8 of the SDS for Personal Protective Equipment.
<b>Methods and materials for containment and cleaning up</b>	Where possible allow molten material to solidify naturally. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see Section 13 of the SDS.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Processing of the material under high temperatures will cause hazardous emissions of vapors, carbon monoxide, or carbon dioxide. Blower collecting and local exhaust ventilation systems should be installed to prevent contaminant dispersion into the air. Sawing of this product generates particulates regulated as "inert" or "nuisance" dusts. To minimize dust emissions, engineering controls should be employed, such as baghouse filters and cyclone separators.
<b>Conditions for safe storage, including any incompatibilities</b>	If material is stored under ambient temperature conditions, it is not hazardous. However, extensive storing at higher than the maximum temperature will emit vapors, carbon monoxide or carbon dioxide. Maximum storage temperature: 210°F / 99°C (softening temperature).

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

Components	Type	Value	
Methyl methacrylate monomer (CAS 80-62-6)	PEL	410 mg/m <sup>3</sup>	
		100 ppm	
Additional components	Type	Value	Form
Dust	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

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

Additional components	Type	Value	Form
Dust	TWA	5 mg/m <sup>3</sup>	Respirable fraction.

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

Additional components	Type	Value	Form
		15 mg/m <sup>3</sup>	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

## US. ACGIH Threshold Limit Values

Components	Type	Value	
Methyl methacrylate monomer (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Additional components	Type	Value	Form
Dust	TWA	3 mg/m <sup>3</sup>	Respirable particles.
		10 mg/m <sup>3</sup>	Inhalable particles.

## US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Methyl methacrylate monomer (CAS 80-62-6)	TWA	410 mg/m <sup>3</sup>
		100 ppm

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Local exhaust ventilation system should be constructed and installed in accordance with ANSI Z9.2 or ACGIH guidelines to control potential emissions near the source.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear a face shield or safety glasses with side shields when working with molten material, or when sawing, cutting, or routing the material.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear cotton or canvas gloves to protect against thermal burns, cuts, or abrasions to the hands.
<b>Other</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Respiratory protection</b>	No protection is ordinarily required under normal conditions of use and with adequate ventilation.
<b>Thermal hazards</b>	Molten plastic can cause severe thermal burns.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Solid.
<b>Form</b>	Panel.
<b>Color</b>	Various.
<b>Odor</b>	Low to no odor.
<b>Odor threshold</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Non flammable.

### Upper/lower flammability or explosive limits

<b>Flammability limit - lower (%)</b>	Not applicable.
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<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Explosive limit - lower (%)</b>	Not applicable.
<b>Explosive limit - upper (%)</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	1.19 (H <sub>2</sub> O=1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Negligible.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	833 °F (445 °C) (ASTM E659)
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Bulk density</b>	74 lb/ft <sup>3</sup>
<b>Softening point</b>	210 °F (98.89 °C)
<b>VOC (Weight %)</b>	0 g/l

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non reactive under normal conditions of storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Temperatures over 570 °F (300 °C).
<b>Incompatible materials</b>	Acids. Bases. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of vapors from heated product can cause nausea, headache, dizziness, as well as irritation of the lungs, nose and throat.
<b>Skin contact</b>	Molten material will produce thermal burns.
<b>Eye contact</b>	Vapors from heated product can irritate the eyes.
<b>Ingestion</b>	Low hazard associated with normal conditions.

**Symptoms related to the physical, chemical and toxicological characteristics** Under normal conditions of intended use, this material does not pose a risk to health.

### Information on toxicological effects

<b>Acute toxicity</b>	No information, but adverse effects unlikely.
<b>Skin corrosion/irritation</b>	Molten material will produce thermal burns.
<b>Serious eye damage/eye irritation</b>	Vapors from heated product can irritate the eyes.

### Respiratory or skin sensitization

#### ACGIH sensitization

Methyl methacrylate monomer (CAS 80-62-6)                      Dermal sensitization

**Respiratory sensitization** No information, but adverse effects unlikely.

**Skin sensitization** This product contains a small amount of methyl methacrylate monomer (MMA), a weak skin sensitizer. Risk assessment resulted in a high Margin of Safety for induction of Allergic Contact Dermatitis (ACD) in consumers handling polymers under conservative exposure conditions. See Section 16 for further information.

**Germ cell mutagenicity** No information, but adverse effects unlikely.

**Carcinogenicity** No information, but adverse effects unlikely.

## IARC Monographs. Overall Evaluation of Carcinogenicity

Methyl methacrylate monomer (CAS 80-62-6) 3 Not classifiable as to carcinogenicity to humans.  
Polymethyl methacrylate (CAS 9011-14-7) 3 Not classifiable as to carcinogenicity to humans.

## NTP Report on Carcinogens

Not listed.

## OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

**Reproductive toxicity** No information, but adverse effects unlikely.  
**Specific target organ toxicity - single exposure** No information, but adverse effects unlikely.  
**Specific target organ toxicity - repeated exposure** No information, but adverse effects unlikely.  
**Aspiration hazard** Due to the physical form of the product it is not an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.  
**Persistence and degradability** No data is available on the degradability of this product.  
**Bioaccumulative potential** Bioaccumulation is not expected.  
**Partition coefficient n-octanol / water (log Kow)**  
Methyl methacrylate monomer (CAS 80-62-6) 1.38  
**Mobility in soil** Not available.  
**Other adverse effects** Ecological damages are not known or expected under normal use.

## 13. Disposal considerations

**Disposal instructions** Landfill, recycle, or incinerate at a facility that complies with local, state and federal regulations.  
**Hazardous waste code** Not regulated.  
**Waste from residues / unused products** Dispose of in accordance with local regulations.  
**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
The components of this product are on the TSCA inventory list. Any impurities present in this product are exempt from listing.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Methyl methacrylate monomer (CAS 80-62-6) LISTED

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Methyl methacrylate monomer (CAS 80-62-6)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

## US state regulations

### US. Massachusetts RTK - Substance List

Methyl methacrylate monomer (CAS 80-62-6)

### US. New Jersey Worker and Community Right-to-Know Act

Methyl methacrylate monomer (CAS 80-62-6)

### US. Pennsylvania Worker and Community Right-to-Know Law

Methyl methacrylate monomer (CAS 80-62-6)

### US. Rhode Island RTK

Methyl methacrylate monomer (CAS 80-62-6)

### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## 16. Other information, including date of preparation or last revision

**Issue date** 07-March-2016

**Revision date** -

**Version #** 01

**Further information** Skin sensitization: This product contains a small amount of methyl methacrylate monomer (MMA), a weak skin sensitizer. Risk assessment resulted in a high Margin of Safety for induction of Allergic Contact Dermatitis (ACD) in consumers handling polymers under conservative exposure conditions. Specifically, migration of residual MMA monomer from acrylic plaques into aqueous systems including saliva, sweat and skin contact simulants, was less than 15 µg/ dm<sup>2</sup> (0.15 µg/cm<sup>2</sup>) over the first 24 h of contact at 140°F. The Risk Characterization Ratio (RCR) of 10,000 indicates a high Margin of Safety, i.e. the measured rate of MMA leaching over a 24 h period is many times lower than the Acceptable Exposure Level despite the conservative nature of the exposure assessment (1).

NFPA Ratings:  
Health: 1  
Flammability: 1  
Physical hazard: 0

NFPA Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA ratings**



**References**

1) Risk Assessment of residual monomer migrating from acrylic polymers and causing Allergic Contact Dermatitis during normal handling and use. Mark A. Pemberton, Barbara S. Lohmann. Regulatory Toxicology and Pharmacology 69 (2014) 467–475. Open Access at <http://www.sciencedirect.com/science/article/pii/S0273230014000956>.

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