



**SECTION 1: IDENTIFICATION**

PRODUCT IDENTIFIER

Product Name Heat Curable, Clear Methacrylate Polymer

Product Code J-600

Intended Use(s) For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated  
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EMERGENCY TELEPHONE NUMBERS

928- 368-7502

**SECTION 2: HAZARDS IDENTIFICATION**

Hazard Class - Physical, Health, Environmental  
Eye Damage/Irritation Category 2B  
OSHA Defined Hazards  
Combustible dust, may form combustible dust concentrations in air, explosion hazard  
Label Elements -

Signal Word Warning

<u>Hazard statements</u>	<u>Precautionary Statements - Prevention, Response, &amp; Disposal</u>
H320 Causes eye irritation	P240 Ground and bond container and receiving equipment P264 Wash hands and exposed skin thoroughly after handling P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P337+P313 Get medical advice/attention



**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS No	Weight %	GHS Ratings
Polymethyl Methacrylate	9011-14-7	90 - 100	Eye Damage /Irritation 2B (H320)

**SECTION 4: FIRST AID MEASURES**

**General Advice**

Provide the SDS to medical personnel for treatment.

**Inhalation:**

Remove victim to fresh air. Seek immediate medical attention.

**Eye Contact:**

If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

**Skin Contact:**

Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

**Clothing:**

Remove contaminated clothing, wash thoroughly before reuse.

**Ingestion:**

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water, Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide.

**Unsuitable Extinguishing Media**

Water may not be effective in extinguishing this fire.

**Specific Hazards Arising from the Chemical**

Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air. Follow grounding and bonding procedures.

**Special Fire Fighting Procedures:**

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

**Protective Equipment and Precautions for Firefighters**



Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static discharge, follow grounding and bonding procedures. Polymers are not sensitive to mechanical impacts.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

#### **Personal Precautions**

Before cleaning any spill or leak, individuals must wear appropriate Personal Protective Equipment that is specified in section 8. Keep airborne particulates at a minimum when cleaning up spills. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

#### **Environmental Precautions**

Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

### **Methods and Material for containment and cleaning up**

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g. sand or earth). May contaminate water supply.

#### **Methods for Cleaning Up**

Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Not a RCRA Hazardous waste.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

#### **Advice on Safe Handling**

Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. Avoid prolonged contact with the product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

### **Conditions for Safe Storage, Including any Incompatibilities**

#### **Storage Conditions**

Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. The temperature should remain at or under 72°F (22°C) at all times. Storing above recommended temperature will cause



product performance issues. Store in accordance with National Fire Protection Association recommendations. Observe all label precautions until the container is cleaned, reconditioned, or destroyed.

**Incompatible Materials**

Strong oxidizers, strong oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polymethyl Methacrylate 9011-14-7			

**Engineering Controls**

Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Personnel Protective Equipment (PPE)**

**Respiratory Protection**

A respirator should be worn whenever workplace conditions warrant use of a respirator. If dust conditions are present, a N95 respirator dust mask is required. None required if airborne concentrations are maintained below any exposure limit that may be listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.

**Eye/Face Protection**

Wear safety glasses, chemical goggles when splashing is possible, when dealing with this material. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

**Skin and Body Protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Full contact:**

Material: Nitrile rubber  
Minimum layer thickness: 0.4 mm  
Break through time: 480 min

**Splash contact:**

Material: Nitrile rubber  
Minimum layer thickness: 0.11 mm  
Break through time: 120 min

**General Hygiene Considerations**



Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<p><b>Appearance:</b> Clear</p> <p><b>Odor:</b> Faint</p> <p><b>Flammable Limit (Air Volume%, 0% Lower/Upper)</b></p> <p><b>Evaporation Rate</b> No data available</p> <p><b>Specific Gravity</b> 0.00</p>	<p><b>Physical State:</b> Powder</p> <p><b>Flash Point:</b> 579 F, 304 C</p> <p><b>Autoignition Temperature:</b> N/A</p> <p><b>Boiling Range (low - high)</b> N/A</p>
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**SECTION 10: STABILITY AND REACTIVITY**

<b>Material stability</b>	Stable
<b>Incompatible materials</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	Methacrylate Monomer and Oxides of Carbon when burned
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Mixture Toxicity**  
**Component Toxicity**

<b>Routes of Exposure</b>			
Inhalation	<b>Eye Contact</b>	<b>Ingestion</b>	

**Target Organs**  
No data available

<b>Effects of Overexposure</b>	
CAS Number	None
Description %	
Weight	



Carcinogen Rating

No data available

**SECTION 12: ECOLOGICAL INFORMATION**

**Component Ecotoxicity**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Dispose waste material in accordance with Federal, State, and Local regulations. It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state and local regulations. Waste disposal options include landfilling solids at permitted sites. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Use registered transporters.

**Contaminated Packaging**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations

**SECTION 14: TRANSPORT INFORMATION**

Agency	Proper Shipping Name	UN No	Packing Group	Hazard Class
DOT	Not Regulated, Polymer, NOS			
IATA	Not Regulated, Polymer, NOS			
IMDG	Not Regulated, Polymer, NOS			

**SECTION 15: REGULATORY INFORMATION**

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:  
- None

**SARA 313** None

**US State Right-to-Know Regulations** None



Country	Regulation	All Components Listed
	EINECS	Yes
	SARA Hazard categories	No
	TSCA Inventory	Yes

**RoHs Directive (Restriction of the use of Certain Hazardous Substances)**

To the best of our knowledge, the restricted substances prohibited in accordance with Directive 2011/65/EU and Directive 2015/863/EU are not normally expected to be present at or above the specified concentrations of 0.01% (by weight) for lead, mercury, hexavalent chromium, PBB, PBDE, (including decaBDE, PentaBDE, or OctaBDE), Phtalates (including DEHP, BBP, DBP and DIBP) and 0.01% (by weight) for cadmium.

**REACH – Substances of Very High Concern (SVHC)**

This product does not contain any substances listed on the Substance of Very High Concern (SVHC) as of the current update of 8 July 2021.

The full list can be found on the ECHA website <https://echa.europa.eu/candidate-list-table>

**EU Medical Devices Regulation (MDR (EU) 2017/745)**

This product is not made with, nor does it generate carcinogenic, mutagenic or toxic to reproduction ('CMR'), of category 1A or 1B, or substances having endocrine-disrupting properties as defined in paragraph 10.4.1 of MDR (EU) 2017/745

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16: OTHER INFORMATION**

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
	<b>B</b>

**HMIS & NFPA Hazard Rating Legend**

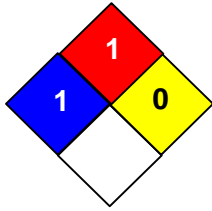
\* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH



**DISCLAIMER / STATEMENT OF LIABILITY:**

*This is to certify that the above designated material has been tested and did comply with the listed specifications (with listed exceptions) when supplied in original container. The material is subject to the conditions listed on the invoice. The above is a copy of information on file. The lot acceptance data are available for examination. This is a computer-generated document that is valid without a signature. The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document.*

*Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents, contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers and other users of the product of this information.*