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Frankfort IL 60423 US  
800.552.0299 Phone  
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Revised April 21st, 2008

**EMERGENCY PHONE (800) 255-3924**  
**MATERIAL SAFETY DATA SHEET**  
**MP55320 / MP55420 PART A (RESIN)**

**HMIS**                    **HEALTH 2**                    **FLAMMABILITY 3**                    **REACTIVITY 2**  
**NFPA**                    **HEALTH 2**                    **FIRE HAZARD 3**                    **REACTIVITY 2**

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**1. Chemical Product**

**Product Name:** MP55320 / MP55420 PART A (RESIN)

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**2. Identity of Ingredients**

<b>Ingredients</b>	<b>CAS No.</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>%Composition</b>
Methyl Methacrylate	80-62-6	100ppm	50ppm	100ppm (Canada)	55-65
p(BD/MMA/STY)	25053-09-2	N.E.	N.E.	N.E.	10-20
Methacrylic Acid	79-41-4	20ppm	20ppm	None	1-10
Chlorosulfonated Polyethylene	68037-39-8	N.E.	N.E.	N.E.	2-6

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**3. Physical/Chemical Characteristics**

**Boiling Point:** 214°F for MMA  
**Specific Gravity @ 25°C:** 0.94-1.0  
**Vapor Pressure:** 29mm @ 20°C  
**Melting Point:** N/D  
**Vapor Density:** >1, 3.5 for MMA  
**Evaporation Rate:** N/D  
**Solubility in Water:** Slight  
**Appearance and Odor:** Light gel, milky white color, pungent, acrylic odor.  
**VOC:** 1.98%; 1.92g/l (A & B Mixed)

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**4. Fire and Explosion Hazard Data**

**Flash Point:** 51°F (TCC)  
**Flammable Limits:** LEL=2.1 for MMA UEL=12.5 for MMA  
**Extinguishing Media:** Flammable liquid, insoluble in water. Use dry chemical powder.  
**Special Fire Fighting Procedures:** Wear self contained breathing apparatus and full turnout gear.  
**Unusual Fire and Explosion Hazards:** None Known

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**5. Reactivity Data**

**Stability:** Stable  
**Incompatibility:** Oxidizers, acids, bases, uv radiation, amines.  
**Hazardous Polymerization:** May occur. Excessive aging and/or heat, polymerization catalysts, oxygen-free atmosphere, inhibitor depletion, direct sunlight.  
**Conditions to Avoid:** None known  
**Hazardous Decomposition:** Carbon and nitrogen oxides, hydrogen cyanide, methylene bisphenyl isocyanate, hydrocarbons.

**MATERIAL SAFETY DATA SHEET**  
**MP55320 / MP55420 PART A (RESIN)**

**6. Health Hazard Data**

<b>Routes of Entry:</b>	<b>Inhalation and Skin</b>
<b>Health Hazards:</b>	(Inhalation) Moderate respiratory tract irritation. Shortness of breath. Coughing. (Skin) Allergic skin reaction. Itching. Moderate skin irritation. Redness. (Eyes) Moderate eye irritation. Redness. Excess tearing. (Ingestion) Not likely to be a relevant route of exposure.
<b>Carcinogenicity:</b>	
<b>NTP:</b>	No
<b>IARC:</b>	N/A
<b>OSHA:</b>	Not an OSHA-Regulated Carcinogen.
<b>Signs and Symptoms of Exposure:</b>	(Eyes) Redness, swelling, tearing, and hazy vision. (Skin) Redness, swelling, and itching. (Inhalation) Soreness of the nose and throat, and coughing.
<b>Medical Conditions Aggravated by Exposure:</b>	Preexisting eye, respiratory, and skin disorders may be aggravated by exposure.
<b>Emergency First Aid Procedures:</b>	(Inhalation) Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. (Skin contact) Wash thoroughly with soap and water. Discard contaminated clothing. Do not use organic solvents. If irritation occurs, get medical attention. (Eye contact) Immediately flush eyes with water for at least 20 minutes. Get immediate medical attention. (Ingestion) Give 1-2 glasses of milk or water to conscious person. Get immediate medical attention. <b>DO NOT INDUCE VOMITING.</b>

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**7. Control and Protective Measures**

<b>Ventilation:</b>	Use ventilation that is adequate to keep exposure to airborne concentrations below exposure limits.
<b>Eye &amp; Face Protection:</b>	Wear safety glasses.
<b>Skin Protection:</b>	Chemical-resistant rubber as needed to prevent skin contact.
<b>Respiratory Protection:</b>	A NOISH/MSHA air purifying respirator with organic vapor cartridge may be permissible as exposure levels dictate.

**8. Transportation Information (Not meant to be all inclusive)**

**D.O.T. (Department of Transportation)**  
**Shipping Name:** Adhesives  
**Hazard Class:** 3  
**ID/UN Number:** UN1133  
**Packing Group:** II  
**Label Required:** Flammable Liquid

**9. Regulatory Information (Not meant to be all inclusive)**

**TSCA**  
All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

**SARA Title III, Section 313**

This product does contain the following 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.  
**Methyl Methacrylate**

**NON-WARRANTY:** Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.



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**MP55320 / MP55420 PART B (ACTIVATOR)**

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**NFPA**                    **HEALTH 2**                    **FIRE HAZARD 3**                    **REACTIVITY 2**

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**1. Chemical Product**

**Product Name:** MP55320 / MP55420 PART B (ACTIVATOR)

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**2. Identity of Ingredients**

<b>Ingredients</b>	<b>CAS No.</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>%Composition</b>
<b>Methyl Methacrylate</b>	<b>80-62-6</b>	<b>100ppm</b>	<b>50ppm</b>	<b>100ppm (Canada)</b>	<b>65-75</b>
<b>p(BD/MMA/STY)</b>	<b>25053-09-2</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>15-25</b>

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**3. Physical/Chemical Characteristics**

**Boiling Point:** 214°F for MMA  
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**Melting Point:** N/D  
**Vapor Density:** >1, 3.5 for MMA  
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**8. Transportation Information (Not meant to be all inclusive)**

**D.O.T. (Department of Transportation**

<b>Shipping Name:</b>	Adhesives
<b>Hazard Class:</b>	3
<b>ID/UN Number:</b>	UN1133
<b>Packing Group:</b>	II
<b>Label Required:</b>	Flammable Liquid

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