

Revised  
April 17, 2006



9411 Corsair Road  
Frankfort, IL 60423  
1-800-552-0299 Phone  
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**EMERGENCY PHONE (800) 255-3924**

**MATERIAL SAFETY DATA SHEET  
MP55000 SERIES PART A (RESIN)**

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

**1. Chemical Product**

**Product Name:** MP55000 SERIES PART A (RESIN)

**2. Identity of Ingredients**

Ingredients	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	%Composition
Methyl Methacrylate	80-62-6	100ppm	100ppm	100ppm (Canada)	40-75
Methacrylic Acid	79-41-4	20ppm (Skin)	20ppm (Skin)	None	1-10
Cumene Hydroperoxide	80-15-9	None	None	Skin	1-10
p-Toluenesulfonyl Chloride	98-59-9	N.A.	N.A.	N.A.	1-10

**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.

**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

**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

## MP55000 SERIES PART A (RESIN)

### 6. Health Hazard Data

<b>Routes of Entry:</b>	<b>Inhalation and Skin</b>
<b>Health Hazards:</b>	<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>
<b>Carcinogenicity:</b>	<b>No</b>
<b>NTP:</b>	<b>N/A</b>
<b>IARC:</b>	<b>Not an OSHA-Regulated Carcinogen.</b>
<b>OSHA:</b>	<b>(Eyes) Redness, swelling, tearing, and hazy vision. (Skin) Redness, swelling, and itching. (Inhalation) Soreness of the nose and throat, and coughing.</b>
<b>Signs and Symptoms of Exposure:</b>	<b>Preexisting eye, respiratory, and skin disorders may be aggravated by exposure. (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. DO NOT INDUCE VOMITING.</b>
<b>Medical Conditions Aggravated by Exposure:</b>	
<b>Emergency First Aid Procedures:</b>	

### 7. Transportation Information (Not meant to be all inclusive)

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

**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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**MATERIAL SAFETY DATA SHEET**  
**MP55000 SERIES PART B (ACTIVATOR)**

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

**1. Chemical Product**

**Product Name: MP55000 SERIES PART B (ACTIVATOR)**

**2. Identity of Ingredients**

Ingredients	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	%Composition
Methyl Methacrylate	80-62-6	100ppm	100ppm	100ppm (Canada)	30-60
Amine Condensate	Trade Secret	None	None	None	1-10

**3. Physical/Chemical Characteristics**

Boiling Point:	214°F for MMA
Specific Gravity @ 25°C:	1.2-1.3
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, black color, pungent, acrylic odor.

**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

**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**

## **MP55000 SERIES PART B (ACTIVATOR)**

### **6. Health Hazard Data**

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<b>Health Hazards:</b>	<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>
<b>Carcinogenicity:</b>	<b>No</b>
<b>NTP:</b>	<b>N/A</b>
<b>IARC:</b>	<b>Not an OSHA-Regulated Carcinogen.</b>
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<b>Medical Conditions Aggravated by Exposure:</b>	
<b>Emergency First Aid Procedures:</b>	

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

<b>D.O.T. (Department of Transportation)</b>	
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