

Revised
March 2012



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MATERIAL SAFETY DATA SHEETS

MP 55420FSLG RESIN PART A

1HMIS HEALTH 2 FLAMMABILITY 3 REACTIVITY 2
NFPA HEALTH 2 FIRE HAZARD 3 REACTIVITY 2

21. GENERAL INFORMATION

PRODUCT NAME: MP 55420 - RESIN PART A
CHEMICAL FAMILY: Acrylic Resin
CHEMICAL NAME: Modified Acrylate Adhesive Resin

32. COMPOSITION

INGREDIENTS	CONCENTRATION%	C.A.S. #	ACGIH TLV
Methyl Methacrylate	40-85	80-62-6	100 ppm
Methacrylic acid	1-10	79-41-4	20ppm(Skin)
2-Chloro-1,3 Butadiene	5-15	9010-98-4	none

53. CHEMICAL AND PHYSICAL PROPERTIES

6Vapor Pressure: 29mm HG @ 60°C
Solubility in Water: Slight
Odor: Pungent Acrylic Odor
Appearance: Whitish/Tan/Pink Translucent

Vapor Density: > 1 Heavier than Air
Boiling Point: 210°F
Specific Gravity: 0.94-1.10
VOC: < 50 g/l mixed

74. FIRE AND EXPLOSION HAZARD DATA

8Flash Point: > 51°F (T.C.C.)
RECOMMENDED EXTINGUISHING AGENTS: Water, foam, dry chemical or carbon dioxide
HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION: Oxides of carbon and nitrogen, including Carbon Dioxide and Carbon Monoxide, and various hydrocarbons
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None

95. HEALTH HAZARD DATA

10HAZARD CATEGORIES: Immediate Delayed Fire ___ Pressure ___ Reactivity ___
POTENTIAL ROUTES OF ENTRY: Skin Inhalation Ingestion
SYMPTOMS OF EXPOSURE: Skin and eye irritation on contact may aggravate allergies, eczema, and skin disorders.

EXPOSURE LIMITS:	ACGIH	OSHA	Other
Ingredients:			
Methyl Methacrylate	NO	NO	
Methacrylic Acid	NO	NO	
2-Chloro-1,3 Butadiene	NO	NO	

Target organs

Carcinogens

NTP	IARC	OSHA
None	None	None

SARA LISTED INGREDIENTS: Methyl Methacrylate, Methacrylic Acid



MATERIAL SAFETY DATA SHEETS

MP 55420FSLG RESIN PART A



116. REACTIVITY DATA

12STABILITY:
HAZARDOUS POLYMERIZATION:
HAZARDOUS DECOMPOSITION
PRODUCTS:
INCOMPATIBILITY:

Unstable
May occur, excessive aging, excessive heat, direct sunlight

None known.
Oxidizer agents, alkalis, moisture. Strong acids, strong bases, reducing agent, amines, Ultraviolet radation.

137. SPILL OR LEAK PROCEDURES

14Remove sources of ignition. Use with ventilation. Dike area to prevent spreading, absorb on vermiculite, sand or other inert absorbing material. Dispose of as chemical waste in accordance with current local, state, and federal regulations. Do not discharge into water. Incineration recommended. Wash spill area with strong detergent.

158. SPECIAL PROTECTION INFORMATION

16RESPIRATORY:

SKIN:

EYES:

Use NIOSH approved respirator if there is potential to exceed any exposure limit
Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.
Wear chemical splash goggles or side shields safety glasses.

9. SPECIAL PRECAUTIONS

17STORAGE:

HANDLING:

18

Store in cool dry place. Avoid contamination with incompatible materials.
Avoid prolonged or repeated breathing of vapor. Keep hands away from eyes. Wash hands before smoking or eating.

10. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Proper DOT Shipping Name:
Exceptions:
Class/Division:
INTERATIONAL AIR TRANSPORTATION(IATA)
Proper DOT Shipping Name:
Exceptions:

Adhesives DOT HAZARD CLASS 3, PG II, UN1133
Single unit less than or equal to 1 liter
ORM-D

Adhesives DOT HAZARD CLASS 3, PG II, UN1133
Consumer commodity, Class 9, ID 8000, less than 500ml

11. POTENTIAL HEALTH EFFECTS

EYE: Moderate eye irritation, redness, excess tearing
INGESTION: Toxicity by ingestion is not likely to occur.

SKIN: Allergic skin reaction, itching, Moderate skin irritation.
INHALATION: Moderate respiratory tract irritation, shortness of breath, coughing.

12. FIRST AID MEASURES

EYE: Immediately flush eyes with water for at least 20 minutes. Get immediate medical attention.

SKIN: Wash thoroughly with soap and water. Discard contaminated clothing, do not use organic solvents. If irritation occurs, get medical attention.

INHALATION: Remove person to fresh air or apply artificial respiration if not breathing. Get medical attention if short breathe or respiratory symptoms develop.

INGESTION: Give 1-2 glasses of milk or water to conscious person. Get immediate medical attention. DO NOT INDUCE VOMITING

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MATERIAL SAFETY DATA SHEETS

MP 55420FSLG PART B

19HMIS HEALTH 2 FLAMMABILITY 2 REACTIVITY 2
 NFPA HEALTH 2 FIRE HAZARD 2 REACTIVITY 2

201. GENERAL INFORMATION

PRODUCT NAME: MP 55420 - PART B
 CHEMICAL NAME: Modified Activator

212. COMPOSITION

222324INGREDIENTS	CONCENTRATION%	C.A.S. #	ACGIH TLV
Benzoyl Peroxide	10-40	94-36-0	5 mg/m3
Bisphenol A diglycidyl ether resin	10-30	25068-38-6	5 mg/m3
Dibutyl Phthalate	10-30	84-74-2	5 mg/m3
Non-Hazardous Ingredients	1-10	N/A	N/A

253. CHEMICAL AND PHYSICAL PROPERTIES

2627Vapor Pressure: 29mm HG @ 60°C
 Solubility in Water:Slight
 Odor: Slight Odor
 Appearance: Whitish translucent

Vapor Density: Not Determined
 Boiling Point: Not Determined
 Specific Gravity: 1.2-1.3
 VOC: < 50 g/l mixed

284. FIRE AND EXPLOSION HAZARD DATA

29Flash Point: Not Determined
 RECOMMENDED EXTINGUISHING AGENTS: Water, foam, dry chemical or carbon dioxide
 HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION: Oxides of carbon and nitrogen. Hydrogen cyanide. Methylene bisphenly isocyanate. Hydrocarbons, Smoke, Cyclopentanone, Butanediol, Tetrahydrofuran
 UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None

305. HEALTH HAZARD DATA

31HAZARD CATEGORIES: Immediate X Delayed X Fire ___ Pressure ___ Reactivity ___
 POTENTIAL ROUTES OF ENTRY: Skin X Inhalation X Ingestion X
 SYMPTOMS OF EXPOSURE: Skin and eye irritation on contact may aggravate allergies, eczema, and skin disorders.

EXPOSURE LIMITS:	ACGIH	OSHA	Other
Ingredients:			
Methyl Methacrylate	NO	NO	
Amine condensate	NO	NO	

Target organs	Carcinogens		
	NTP	IARC	OSHA
	None	None	None

SARA LISTED INGREDIENTS: Benzoyl Peroxide, Dibutyl Phthalate



MATERIAL SAFETY DATA SHEETS

MP 55420FSLG PART B



326. REACTIVITY DATA

33STABILITY:

Unstable

HAZARDOUS POLYMERIZATION:

May occur, excessive aging, excessive heat, direct sunlight

HAZARDOUS DECOMPOSITION

PRODUCTS:

None known.

INCOMPATIBILITY:

Oxidizer agents, alkalis, moisture. Strong acids, strong bases, reducing agent, amines, Ultraviolet radiation.

347. SPILL OR LEAK PROCEDURES

35 Remove sources of ignition. Use with ventilation. Dike area to prevent spreading, absorb on vermiculite, sand or other inert absorbing material. Dispose of as chemical waste in accordance with current local, state, and federal regulations. Do not discharge into water. Incineration recommended. Wash spill area with strong detergent.

368. SPECIAL PROTECTION INFORMATION

37RESPIRATORY:

Use proper positive air flow ventilation in work area. Local ventilation is recommended for repeated use.

SKIN:

Avoid skin contact, wear impervious gloves and protective clothing if in direct contact with material. Disposable polyethylene gloves with vinyl latex overglove will give protection.

EYES:

Wear chemical splash goggles or side shields safety glasses.

9. SPECIAL PRECAUTIONS

38STORAGE:

Store in cool dry place. Avoid contamination with incompatible materials.

HANDLING:

Avoid prolonged or repeated breathing of vapor. Keep hands away from eyes.

39

10. TRANSPORTATION INFORMATION

4041DOT (49 CFR 172)

Proper DOT Shipping Name:

Adhesives DOT HAZARD CLASS 3, PG II, UN3082

Exceptions:

Single unit less than or equal to 1 liter

Class/Division:

Hazard Class 9

INTERNATIONAL AIR TRANSPORTATION(IATA)

Non-regulated

Proper DOT Shipping Name:

Environmentally hazardous substances, liquid, n.o.s.

Exceptions:

Consumer commodity, Class 9, ID 8000, less than 500ml

11. POTENTIAL HEALTH EFFECTS

EYE: Moderate eye irritation, redness, excess tearing

SKIN: Allergic skin reaction, itching, Moderate skin irritation.

INGESTION: Toxicity by ingestion is not likely to occur. breath, coughing.

INHALATION: Moderate respiratory tract irritation, shortness of

12. FIRST AID MEASURES

EYE: Immediately flush eyes with water for at least 20 minutes. Get immediate medical attention.

SKIN: Wash thoroughly with soap and water for 15 to 20 minutes . Discard contaminated clothing, Do not use organic solvents. If irritation occurs or persists, get medical attention.

INHALATION: Remove person to fresh air or apply artificial respiration if not breathing. Get medical attention if short breathe or respiratory symptoms develop.

INGESTION: Give 1-2 glasses of milk or water to conscious person. Get immediate medical attention. DO NOT INDUCE VOMITING

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