

Adhesive R & D
4603 Anderson Drive
Eau Claire, WI. 54703
715-832-4557

MSDS: M300 2 Part Methacrylate
Part A

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

1. Chemical Product

M300 PART A (RESIN)

2. Identity of Ingredients

Ingredients	CAS No.	%Composition
Methyl Methacrylate	80_62_6	55_65
p(BD/MMA/STY)	25053_09_2	10_20
Methacrylic Acid	79_41_4	1_10
Chlorosulfonated Polyethylene	68037_39_8	2_6

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, Blue/Black, pungent, acrylic odor.
VOC: 1.98%; 1.92g/l (A & B Mixed)

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.

6. Health Hazard Data

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

7. Control and Protective Measures

Ventilation: Use ventilation that is adequate to keep exposure to airborne concentrations below exposure limits.
Eye & Face Protection: Wear safety glasses.
Skin Protection: Chemical_resistant rubber as needed to prevent skin contact.
Respiratory Protection: 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

MSDS: M300 2 Part Methacrylate

Part B

HMIS HEALTH 2 FLAMMABILITY 3 REACTIVITY 2

NFPA HEALTH 2 FIRE HAZARD 3 REACTIVITY 2

1. Chemical Product

M300 Part B (ACTIVATOR)

2. Identity of Ingredients

Ingredients	CAS No.	%Composition
Methyl Methacrylate	80_62_6	65_75
p(BD/MMA/STY)	25053_09_2	15_25

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, 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.

6. Health Hazard Data

Routes of Entry: Inhalation and Skin

Health Hazards: (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.

Carcinogenicity:

NTP: No

IARC: N/A

OSHA: Not an OSHA_Regulated Carcinogen.

Signs and Symptoms of Exposure: (Eyes) Redness, swelling, tearing, and hazy vision.

(Skin) Redness, swelling, and itching.

(Inhalation) Soreness of the nose and throat, and coughing.

Medical Conditions Aggravated by Exposure: Preexisting eye, respiratory, and skin disorders may be aggravated by exposure.

Emergency First Aid Procedures: (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

(Ingestion) Give 1_2 glasses of milk or water to conscious person. Get

immediate medical attention. DO NOT INDUCE VOMITING.

7. Control and Protective Measures

Ventilation: Use ventilation that is adequate to keep exposure to airborne concentrations below exposure limits.

Eye & Face Protection: Wear safety glasses.

Skin Protection: Chemical-resistant rubber as needed to prevent skin contact.

Respiratory Protection: 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

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Methyl Methacrylate

We believe the information contained herein is current and accurate as of the date of this data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not under the control of Adhesive R&D[®], Inc. or its agents or distributors, it is the user's obligation to determine the conditions of safe use of this product. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Adhesive R&D[®], Inc. warrants that the product conforms with Adhesive R&D[®]'s written specifications, and is free from defects and disclaims all other warranties, expressed or implied and is not responsible for loss claim of damages resulting from the use of its products.

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