



Material Safety Data Sheet

Issue Date: 2010/02/19
Document Number: 01-426-282
Material/Trade Name: J4200

1- Chemical Product and Company Identification:

Product Name: **J4200**
Product Type: Modified Methyl Methacrylate

2- Composition/Information on Ingredients:

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>%</u>
Methyl Methacrylate (MMA)	80-62-6	40-75
Cumene Hydroperoxide	80-15-9	1-10
p-toluenesulfonyl chloride	98-59-9	1-10
Methacrylic acid	79-41-4	1-10
Maleic acid	110-16-7	1-10

<u>Exposure Limits (TWA)</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>	<u>OTHER</u>
Methyl Methacrylate (MMA)	100 ppm	100 ppm	n/a
Cumene Hydroperoxide	none		skin
Methacrylic acid	20 ppm	20 ppm	

3- Hazards Identification:

Toxicity: Eye, skin, and respiratory tract irritant. May cause allergic skin reaction.

Primary routes of Entry: Skin, eye, inhalation

Signs of exposure: Inhalation: Moderate respiratory tract irritation. Shortness of breath.

4- First Aid Measures:

Ingestion: Give 1-2 glasses of milk or water to a conscious person. Seek medical attention. Do not induce vomiting.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin contact: Wash thoroughly with soap and water. Discard contaminated clothing. If irritation persists, obtain medical attention.
Eye contact: Flush with warm water. Seek medical attention.

5- Fire Fighting Measures:

Flash Point: 51° F, Tag Closed Cup
Extinguishing Media: Water Fog, Foam, Dry chemical or Carbon Dioxide.
Unusual Fire or Explosion Hazards: Vapors may collect in low or confined areas, travel considerable distance to source of ignition and flashback.
Special Fire Fighting Procedures: Where self-contained breathing apparatus.



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6-Accidental Release Measures

Remove sources of ignition. Use with ventilation. Dike area to prevent spreading and absorb with vermiculite, sand, or other inert absorbent.

7- Handling and Storage:

Safe storage: Store away from heat and direct sunlight to maximize shelf life. Store inside in a dry location. Avoid storage over 100°F

Handling: Keep container tightly closed. Avoid prolonged contact with skin. Keep away from eyes. Avoid breathing vapors.

8- Protective Equipment:

Ventilation: Local exhaust ventilation recommended to maintain vapor level below TLV.

Respiratory protection: Use NIOSH approved respirator if ventilation is not sufficient.

Skin: Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

Eye protection: Safety glasses or goggles with side shields.

9- Physical and Chemical Properties:

Appearance: milky white

Odor: Pungent, acrylic

Boiling Point: 214°F for MMA

Vapor Pressure: 29 mmHg @20°C

Vapor Density: 3

Specific Gravity: 0.94-1.0 @ 77°F

Solubility in water: Slight

VOC: 1.98%; 1.92g/l (adhesive and activator mixed)

10- Stability and Reactivity

Stability: Stable

Hazardous Polymerization: May occur. Excessive aging and/or heat. Polymerization catalysts: Oxygen-free atmosphere. Inhibitor depletion. Direct sunlight

Incompatibility: Polymerized with oxidizers, amines, and alkalis.

11- Toxicological Information

See Section 3

12- Ecological Information

No Data

13- Disposal Considerations:



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Spill or accidental release: Soak up with an inert absorbent and store in vented containers.

Disposal procedures: Dispose of according to EPA and local government regulations. EPA Hazardous waste #0001; U612;D003.

14- Transportation Information:

Domestic Ground Transport:

Proper shipping name: Adhesives
Exemption, single unit less than one liter

Hazard class or division: Unrestricted (Not more than one liter)
Hazard Class 3 (more than one liter)

Identification number: None (Not more than one liter)
UN 1133 (More than one liter)

15- Regulatory Information

CA Proposition 65: No Information

16: Other Information:

Hazard	NFPA Hazard Code[○]	HMIS Hazard Code[○]
Health	2	2
Fire	3	3
Reactivity	2	2
Specific Hazard	None	Personal Protection See Section 8

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MSDS Preparation date: 2010/02/19
Elite Adhesive Tech. Dpt.

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Material Safety Data Sheet

Issue Date: 2010/02/19
Document Number: 01-426-282
Material/Trade Name: J4200 Activator

1- Chemical Product and Company Identification:

Product Name: **J4200 Activator**
Product Type: Adhesion Promoting Agent
Date revised: 10/27/04

2- Composition/Information on Ingredients:

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>%</u>
Methyl Methacrylate (MMA)	80-62-6	45-70
Amine Condensate	Trade Secret	1-10

<u>Exposure Limits (TWA)</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>	<u>OTHER</u>
Methyl Methacrylate (MMA)	100 ppm	100 ppm	

3- Hazards Identification:

Toxicity: Skin and eye irritant
Primary routes of Entry: Skin. Mild Irritant. Prolonged use may dry skin.
Signs of exposure: Moderate respiratory tract irritation.

4- First Aid Measures:

Ingestion: Seek medical attention. Do not induce vomiting.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin contact: Wash thoroughly with soap and water.
Eye contact: Flush with warm water. Seek medical attention.

5- Fire Fighting Measures:

Flash Point: 51°F, Tag Closed Cup
Extinguishing Media: Dry chemical foam.
Unusual Fire or Explosion Hazards: No unusual hazard.
Special Fire Fighting Procedures: Where self-contained breathing apparatus.

6-Accidental Release Measures

Steps to be taken in case of spill or leak: Soak up in an inert absorbent and store in a closed container until disposal. Dispose of in accordance with local regulations.

7- Handling and Storage:

Safe storage: Store away from heat and direct sunlight to maximize shelf life.
Store inside in a dry location. Avoid storage over 100°F

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Handling: Keep container tightly closed. Avoid prolonged contact with skin.
Keep away from eyes.

8- Protective Equipment:

Ventilation: Local exhaust ventilation recommended.
Respiratory protection: Not applicable with good local exhaust.
Skin: Polyethylene or non-reactive gloves.
Eye protection: Safety glasses or goggles with side shields.

9- Physical and Chemical Properties:

Appearance: clear gel
Odor: Pungent, acrylic
Boiling Point: 214°F
Vapor Pressure: 29 mmHg @20°C
Vapor Density: 3.5
Specific Gravity: 0.94-1.0 @ 77°F
Solubility in water: Slight

10- Stability and Reactivity

Stability: Stable
Hazardous Polymerization: None known
Incompatibility: Avoid contact with oxidizers, alkalis, and moisture.

11- Toxicological Information

See Section 3

12- Ecological Information

No Data

13- Disposal Considerations:

Spill or accidental release: Soak up with an inert absorbent and store in vented containers

Disposal procedures: Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations.

14- Transportation Information:

Domestic Ground Transport:
Proper shipping name: Consumer Commodity (not more than one liter)

Hazard class or division: ORM-D (Not more than one liter)
Class 3, Packing Group II (UN 1133)
Identification number: UN 1133



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15- Regulatory Information

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ (Reportable Quantity) – 40 CFR 302.4 (a)

Component	RQ (lbs.)
None	

SARA 302 Components – 40 CFR 355 Appendix A: NONE

SARA 313 Components – 40 CFR 372.65: Methyl Methacrylate (MMA)

International Regulations

Inventory Status:

Not Determined

State and Local Regulations

CA Proposition 65:

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance known to the state of California to cause reproductive harm; None

16: Other Information:

Hazard	NFPA Hazard Code ^⓪	HMIS Hazard Code ^⓪
Health	2	2
Fire	3	3
Reactivity	2	2
Specific Hazard	None	Personal Protection See Section 8

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