



**MATERIAL SAFETY DATA SHEET**

**1. Product Identification**

Product Name: Clear, Water-Based Binder Gel

Manufacturer: Aimtek, Inc.  
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U.S.A.

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**2. Composition**

Chemical Characterization: Clear, Water-Based Binder Gel contains non-hazardous polymers dissolved in water and propylene glycol.

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**3. Hazardous Identification**

Based on the recommended safety and handling advice there are no particular hazards for man and environment.

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**4. First Aid Procedures**

After Skin Contact: If irritation occurs, wash affected area with mild soap and water. Prevent further contact.

After Eye Contact: If irritation occurs, flush with copious amounts of water. If irritation persists, seek medical attention.

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**5. Fire Fighting Measures**

Flash Point: Water based, not applicable (N/A).

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

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**6. Accidental Release Measures**

Binder gel is slippery. Wear appropriate non-slip footwear. Avoid spreading cements further on floor or work area. Wipe or scrape up spilled material and place in container.

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**7. Handling and Storage**

Storage: Store at room temperature.

Precautions To Be Taken In Storage And Handling: N/A

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**8. Exposure Controls/Personal Protection**

Ventilation: N/A

Respiratory Protection: N/A

Protective Clothing: Individuals with sensitive skin should wear rubber gloves.

Eye Protection: Wear approved safety glasses or goggles when handling and mixing any brazing materials.

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Wash thoroughly after handling and before eating or smoking. Use good housekeeping practices to prevent spills and accumulations. Do not reuse binder containers.

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9. Physical and Chemical Properties

Boiling Point:	212F
Vapor Pressure (mm Hg):	N/A (Not Applicable)
Vapor Density (air = 1):	N/A
Solubility in Water:	Soluble
Specific Gravity (water = 1):	Approximately 1.0
Melting Point:	N/A
Evaporation Rate (Butyl Acetate = 1):	Same as water
Appearance and Odor:	Light pink gel; No odor
pH:	7-8

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10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Conditions to Avoid): Strong oxidizers

Hazardous Decomposition or By-Product: Carbon Dioxide and/or carbon monoxide.

Hazardous Polymerization: Will not occur.

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11. Toxicological Information

Routes of Entry: May come in contact with skin or eyes, may be swallowed.

Health Hazards (Acute and Chronic): Skin or eye contact may cause mild irritation to sensitive individuals. Amounts ingested incidental to industrial handling are not likely to cause injury.

Carcinogenicity: Ingredients are not listed by IARC, NTP or OSHA.

Signs and Symptoms of Exposure: Mild irritation of the skin or eyes.

Medical Conditions Generally Aggravated by Exposure: Skin Sensitivity.

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12. Ecological Information

Data Not Available.

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13. Disposal Considerations

Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Dispose of in accordance with appropriate Federal, State and Local regulations.

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14. Transportation Information

Clear, Water-Based Binder Gel is not dangerous for any mode of transportation.

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15. Regulatory Information

No Known Restrictions.

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16. Other Information

Although little or no health and safety risk is expected with handling and use of this binder gel, this may not be true when combined with powdered brazing alloys or filler metals. Consult the appropriate Material Safety Data Sheet (MSDS) for each powdered filler material before handling, use and mixing with binder gel.

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