

# MATERIAL SAFETY DATA SHEET

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## MANUFACTURER:

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## SECTION I

Identify: **Rapid Cure 400**

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## SECTION II

### Hazardous Ingredients-Identify Information:

Hazardous components-Acrylic-Styrene/water dispersion (CAS 009003-55-8)  
OSHA PEL: Not established  
ACGIH TLV: Not established  
Not a hazardous material as defined in title 29 CFR parts 1900 and 1910

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## SECTION III

### Physical/Chemical Characteristics:

Boiling Point: 100 deg C (210 deg F)  
Specific Gravity: 0.98-1.04  
Vapor Pressure: 17.5 mg Hg @ 70 deg F  
Melting Point: NA  
Vapor Density: 0.624 @ 80 deg F  
Evaporation Rate: <1 (butyl/acetate=1)  
Solubility in Water: Dispersible  
Appearance and Odor: Milky white liquid emulsion

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## SECTION IV

### Fire and Explosion Hazard Data:

Flash Point: NA  
Extinguishing Media: NA  
Special Fire Fighting Procedures: Water for-dried resin only  
Unusual Fire and Explosion Hazards: Material can splatter above 100C. Dried Polymer film can burn, emitting dense black, acrid smoke. Take precautions. Wear breathing apparatus.

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## SECTION V

### Reactivity Data:

Stability: Stable  
Conditions to avoid: Temperatures over 177 deg C (350 F)  
Incompatibility: Materials that react violently with water  
Hazardous Decomposition or By-products: If dried film burns, it will produce carbon monoxide and hydrocarbons.  
Hazardous Polymerization: Will not occur

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## SECTION VI

### Health Hazard Data:

Primary routes of entry: Inhalation: Yes  
Ingestion: Yes  
Skin: Yes  
Inhalation: Vapor or mist can cause headache, nausea, and irritation of the nose, throat, and lungs.  
Skin Contact: Irritation to skin upon repeated or prolonged contact.  
Eye Contact: Slightly irritating to eyes.  
Carcinogenicity: NTP – No  
IARC - No  
OSHA Regulated – No

Signs and Symptoms of Exposure: Reddening of the eyes and skin upon contact. Coughing upon inhalation of vapors.

Medical Conditions Aggravated by Exposure: Hyper-sensitive individuals may develop allergenic dermatitis.

**Emergency and First Aid procedures:**

Inhalation: Move subject to fresh air.

Eye and Skin Contact: Flush eyes with large amount of water for 15 minutes. Wash affected area thoroughly. If irritation persists, or if ingested, contact physician.

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**SECTION VII**

**Precautions for Safe Handling and Use:**

Released or Spilled: Floor will be slippery; use care to avoid falling. Contain spills with sand or earth.

Transfer to containers for recovery or disposal.

Waste Disposal Method: Coagulate the emulsion by stepwise addition of ferric chloride and lime.

Remove supernatant liquid, remaining solids, and dispose of properly.

Precautions To Be Taken in Handling and Storage: Keep from freezing, keep temperature below 100 deg C.

Other Precautions: Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

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**SECTION VIII**

**Control Measures:**

Respiratory Protection: Not required if good ventilation maintained, OSHA approved mask for vapors.

Ventilation: Local exhaust – Yes (If heated above 170 deg C, use ventilation with minimum capture velocity of 100 ft/min.

Mechanical: NA

Protective Gloves: Impervious

Eye Protection: ANSI-87.1 or equivalent chemical splash goggles.

Other Protective Clothing: NA

Work/Hygienic Practices: Normal care and cleanliness will prevent adverse health effects.

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**SECTION IX**

**Transportation Data:**

DOT Proper shipping name: None

DOT Hazard Class: N/A

DOT I.D. Number: N/A

DOT Label/Placard: None (o/o/o/o)

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Symbols: NA=Not Applicable

F=Fahrenheit

C=Centigrade