

MATERIAL SAFETY DATA SHEET

Section 1a – Product Identification

Product Name: M-CAST 60, M-CAST 62, M-CAST 64, M-CAST 66, M-CAST 68

Product Uses: See technical data sheet **Revision Date:** April 22, 2009

Section 1b – Company Identification

Proven Performance Chemicals 370 Commerce Boulevard, Bogart, Georgia 30622
United States

Emergency Phone Number: 678-729-9333 Technical Information: 706-355-3217

Fax Number: 706-355-9199

Section 2 – Composition / Information on Ingredients

Chemical Name: Acrylic copolymer in aqueous dispersion **Hazardous Components:** NONE

Section 3 – Hazards Identification

Adverse Health Effects: Slight irritant for eye. Slight irritant for skin. **Physical and Chemical Hazards:**

Fire or explosion NONE **Hazard Classification:** NON HAZARDOUS.

Section 4 – First-Aid Measures

Inhalation: If affected, remove to fresh air **Skin Contact:** Wash affected area thoroughly with plenty of water

Eye Contact: Flush immediately with plenty of water. If irritation persists, see eye doctor. **Ingestion:** No known ingestion affects.

Section 5 – Fire-Fighting Measures

Extinguishing Media:

Appropriate Water spray Foam Powder Carbon dioxide

Unsuitable NONE **Specific Hazards:** Dried polymer can burn generating vapors including CO, CO₂, and hydrocarbons **Specific Intervention Methods:** Appropriate protective equipment must be worn in case of fire.

Section 6 – Accidental Release Measures

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| Personal Protective Equipment: | Rubber gloves Safety eyewear |
| Precautions to Protect Environment: | Prevent product from spreading in the environment Do not discharge into sewer |
| Cleaning Methods: | |
| Recovery | Vacuum bulk liquid or absorb it with inert sorbent. |
| Cleaning / Decontamination | Wash the affected area with plenty of water. |
| Disposal | Dispose in accordance with federal, state, and local regulations. Various options may be available. |

Section 7 – Handling and Storage

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| Handling: | |
| Technical measures | Does not require specific technical measures. |
| Safety procedures | See Section 8 |
| Storage: | |
| Conditions | To maintain product quality and properties, store above 5°C and below 40°C. |
| Incompatibilities | Avoid contact with bases (exothermic reaction). |
| Containers | |
| -recommended | Coated steel, stainless steel, or plastic materials (e.g. polyethylene). |
| -not recommended | Carbon steel. Aluminum and its alloys. |

Section 8 – Exposure Controls / Personal Protection

In solvents Very slight **Volatile Part by Weight: 70% n-Octanol / Water Partition Coefficient:** Not determined

Engineering Controls: Does not necessitate specific or particular measures, provided general health and safety practices are observed.

Personal Protective Equipment: Hand protection Rubber gloves Eye protection Safety eyewear

Section 9 – Physical and Chemical Properties

Aspect: Physical state Liquid

Color Whitish **Odor:** Mild odor **pH:** 3 **Flash Point:** >100°C, closed cup **Boiling Point:** 100°C **Vapor Pressure:** 18 mm Hg @ 25°C **Crystallization Point:** 0°C **Specific Gravity:** 1.06 **Solubility:** In water Soluble at pH >7

Section 10 – Stability and Reactivity

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| Stability: | Stable if appropriately used |
| Dangerous Reactions: | |
| Materials to avoid | Strong bases (exothermic neutralization reaction) |
| Hazardous decomposition products | None to our knowledge. |

Section 11 – Toxicological Information

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| Acute Toxicity: | LD50 (oral, rat) >2000 mg/kg |
| Local Effects: | Slight irritant by ocular application on rabbit. Slight irritant by cutaneous application on rabbit. |

Section 12 – Ecological Information

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| Environmental Fate: | Does not persist in water. Is removed through precipitation and absorption processes. Does not present a significant risk to aquatic organisms at low concentrations (less than 100 mg/L). |
| Degradability: | Poorly biodegradable. |
| Ecotoxicity: | |
| Impact on aquatic environment | LC50 (Fish: brachydanio rerio): 96h > 100 mg/L EC50 (Daphnia: daphnia magna): 48h > 100 mg/L IC50 (Algae): 72h > 100 mg/L |

Section 13 – Disposal Considerations

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| Product Residues: | |
| Prohibition | Do not discharge to sewer |
| Destruction / Elimination | Dispose in accordance with federal, state and local regulations. Various options may be available. |
| Use Packaging: | |
| Decontamination / washing | Empty packaging thoroughly and rinse with water before disposal. |
| Destruction / Elimination | Dispose in accordance with federal, state and local regulations. Various options may be available. |

Section 14 – Transport Information

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| Ground Transportation: DOT | Not regulated |
| Sea Transportation: IMDG | Not regulated |
| Air Transportation: IATA | Not regulated |

Section 15 – Regulatory Information

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| Federal: | |
| TSCA | All components are either listed or otherwise comply with requirements. |
| SARA title 111 section 313 | This product does not contain any substance subject to reporting requirements at or above de minimis quantities. |
| International: | |
| WHMIS (Canada) | Not a “controlled product” under the Canadian Workplace Hazardous Materials Information System (WHMIS) |

Section 16 – Other Information

HMIS Rating:

Health: 0

Flammability: 1

Reactivity: 0

Protective equipment: A

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