

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, Athens, Georgia 30606 US

Emergency Phone Number: : INFOTRAC - (800) 535-5053 (Within Continental US)

(352) 323-3500 (Outside US) 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

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

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

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

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

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

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

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

Section 15 – Regulatory Information

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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