

## Material Safety Data Sheet

**Product Names:** M-FLOW 80, M-FLOW 82, M-FLOW 84, M-FLOW 86, M-FLOW 88

**Product Uses:** See technical data sheet **Revision Date:** April 20, 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:** Polyether polycarboxylate, sodium salt in aqueous solution **Hazardous Components:** NONE

### Section 3 – Hazards Identification

**Adverse Health Effects:** Slight irritant for eye. Eye irritation is reversible. **Physical and Chemical Hazards:**

Fire or explosion NONE **Hazard Classification:** This material is NOT HAZARDOUS by OSHA Hazard Communication definition.

### 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. Consult a physician

### 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, CO<sub>2</sub>, and hydrocarbons **Specific Intervention Methods:** Appropriate protective equipment must be worn in case of fire

## Section 6 – Accidental Release Measures

<b>Personal Protective Equipment:</b>	Rubber gloves Safety eyewear
<b>Precautions to Protect Environment:</b>	Prevent product from spreading in the environment Do not discharge into sewer
<b>Cleaning Methods:</b>	
Disposal	Dispose in accordance with federal, state, and local regulations. Various options may be available.
Recovery	Vacuum bulk liquid or absorb it with inert sorbent.
Elimination	Burn contaminated material in an approved plant.

## Section 7 – Handling and Storage

<b>Handling:</b>	
Technical measures	Does not require specific technical measures.
Safety procedures	See Section 8
<b>Storage:</b>	
Conditions	For industrial use, IBC's containing M-Flow should not be stored outside. Store away from heat. Keep floor around container free of spilled product to prevent highly viscous material from sticking to shoes. Keep container tightly closed when not in use.
Incompatibilities	Store away from strong oxidizers / strong acids.
Containers	
-recommended	Opaque containers made of coated steel, stainless steel, or plastic materials (e.g. polyethylene).
-not recommended	Translucent or transparent containers for outdoor storage. Carbon steel. Aluminum and its alloys.

## Section 8 – Exposure Controls / Personal Protection

**Engineering Controls:** Does not necessitate specific or particular measures, provided general health and safety practices are observed. Use with general mechanical room ventilation for normal handling and storage operations.

## Section 9 – Physical and Chemical Properties

<b>Color:</b>	Clear to turbid, colorless to slight orange	
<b>Aspect:</b>	polymer with water removed.	Physical state      Viscous liquid
<b>Odor:</b>	Mild odor	
<b>pH:</b>	around 4 to 8	
<b>Flash Point:</b>	>204.4°C (399.92°F), closed cup, based on pure	
<b>Boiling Point:</b>	100°C (212°F) estimated based on water content.	
<b>Crystallization Point:</b>	No data available	
<b>Specific Gravity:</b>	around 1.05 to 1.10 at 25°C (77°F)	
	In solvents      Very slight	

**Vapor Pressure:** 18 mm Hg @ 20°C estimated based on water

Solubility In water Miscible

**Volatile Part by Weight:** Contains 59 to 61 wt% of water

**n-Octanol / Water Partition Coefficient:** Not determined

## Section 10 – Stability and Reactivity

**Stability:** Stable if appropriately used

### Dangerous Reactions:

Materials to avoid

Hazardous decomposition products

Strong acids. Strong oxidizing agents.

When exposed to high temperature and an ignition source, a flammable vapor could evolve and burn.

Decomposition will result in the production of carbon monoxide and carbon dioxide.

## Section 11 – Toxicological Information

### Acute Toxicity:

LD50 (oral, rat) >2000 mg/kg b.w. LD50 (skin, rat) >2000 mg/kg b.w.

### Local Effects:

Slight irritant by ocular application on rabbit.

Effects of the eye irritation are reversible. Not

irritant by cutaneous application on rabbit.

## Section 12 – Ecological Information

### Environmental Fate:

Stability in soil: specific data not available. In general, high molecular weight polymers tend to adsorb to solids in wastewater treatment and surface waters.

### Degradability:

Specific data not available. Likely not readily biodegradable.

### Ecotoxicity:

Impact on aquatic environment

No data available.

## Section 13 – Disposal Considerations

### Product Residues:

Prohibition

Destruction / Elimination

Do not discharge to sewer

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.

### International:

WHMIS (Canada)

Not a “controlled product” under the Canadian Workplace Hazardous Materials Information System (WHMIS)

## Section 14 – Transport Information

<b>Ground Transportation:</b> DOT	Not regulated
<b>Sea Transportation:</b> IMDG	Not regulated
<b>Air Transportation:</b> 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.

## Section 16 – Other Information

**HMIS Rating:**

Health: 0  
Flammability: 1  
Reactivity: 0  
Protective equipment: A

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