



CELCORE HS RHEOLOGY MODIFYING ADMIXTURE

Safety Data Sheet

Issued 05.16_r1

Section 1: Identification

Product Name: Celcore HS Rheology Modifying Admixture
Chemical Formula: Methacrylic acid and diluent
Company: MaxFlow Environmental Corporation
3148 US Hwy 70 West
Black Mountain, NC 28711
(828) 669-4875
Recommended Use: Industrial. Additive for portland cement mixtures



Section 2: Hazards Identification

Emergency Overview: None required.
GHS Classification: Not regulated.
Other Classifications: None

Section 3: Composition, Information on Ingredients

Components: Methacrylic acid and diluent
Synonym(s): Plasticizer ; Admixture ; High Range Water Reducer
Information on Ingredients: CAS: 79-41-4; Methacrylic acid; content by wt. < 1.0%

Section 4: First-Aid Measures

Inhalation: Unlikely with normal industrial use. Move to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing is difficult.
Ingestion: Give several glasses of water for oral rinsing. Seek medical assistance should symptoms occur.
Skin Contact: Wash from skin using plenty of soap and water. Remove contaminated clothing.
Eye Contact: Flush eyes with copious amounts of clean fresh water holding eye lids apart. Should irritation continue following first aid, seek medical attention.

Section 5: Fire Fighting Methods

Conditions of Flammability: Non combustible
Extinguishing Media: Carbon Dioxide, dry sand, dry chemical, foam. Do not use spray water.
Protective Equipment: Protective firefighting gear and breathing apparatus.
Hazardous Combustion Products: During fire, harmful gases may form.
Special Information: No data available.

Section 6: Accidental Release Measures

Personal Precautions: See **Handling** in **Section 7**
Emergency Procedures: Take appropriate action to minimize spread of spill and further leakage.
Environmental Precautions: Do not allow spill materials to enter storm drains or surface waterways.
Containment and Clean-up: Dike spill with inert material. Use dry absorbent materials to collect spill. Place used absorbent materials into containers for proper disposal.

Section 7: Handling and Storage

Handling: Wear personal protective gear such as normal work clothing, chemical resistant gloves and goggles or safety glasses. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Do not eat, drink or smoke while handling. After handling, use good hygiene before eating, drinking, smoking or using the bathroom.
Storage: Store in tightly closed, plastic containers with proper identification. Protect from freezing.
Incompatibilities: Strong acids. Strong bases.

Section 8: Exposure Controls / Personal Protection

Exposure Limits: See Maximum Concentration at Workplace Table in this Section.
Engineering Controls: Observe good industrial hygiene. Use with adequate ventilation to minimize inhalation of vapors. Mechanical ventilation or exhaust ventilation may be required.
Personal Protection: Wear protective gear such as normal work clothing, chemical resistant gloves and safety glasses, goggles or face shield.
Personal Respirators: In case of in-adequate ventilation, use suitable respirator. Seek equipment advice from supervision.

Maximum Concentration at Workplace:

CAS No.	Material	Type	ppm	Source
79-41-4	Methacrylic acid	TWA	20	US AGCIH Threshold Limits Value (2011)

Section 9: Physical and Chemical Properties

Appearance	Tan / brownish translucent liquid	Relative Density (H₂O)	1.07
Flammability	No	Explosive	No data
Odor	Mild	Evaporation Rate	Slower than ether
Solubility (H₂O)	Soluble	Vapor density	Vapors are heavier than air, may accumulate at floor
pH	5 - 7	Decomposition Temp	No data

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions
Hazardous Reactions:	None known
Conditions to Avoid:	Avoid heat and contamination.
Incompatibilities:	Strong acids. Strong bases.
Hazardous Decompositions:	Thermal decomposition or exposure to combustion may liberate carbon oxides and other toxic gas vapors.

Section 11: Toxicological Information**Potential Health Effects**

Inhalation:	In high concentration, vapor, mist or fumes may cause nose, throat and mucus membrane irritation.
Skin Contact:	Moderately irritating to skin with prolonged contact.
Eye Contact:	Eye contact is possible and should be avoided.
Ingestion:	May be accidentally ingested. Ingestion cause irritation and malaise.

Section 12: Ecological Information (non-mandatory)

Toxicology: According to current knowledge, adverse effects on water purification plants are not expected.

Section 13: Disposal Considerations (non-mandatory)

Disposal: Dispose of only in accordance with all Local, State and Federal Regulations.

Section 14: Transportation Information (non-mandatory)

DOT Hazard: Not regulated for transport.

Section 15: Regulatory Information (non-mandatory)

SARA 311/312 Hazardous Chemical: Methacrylic acid

Threshold Planning Quantity: 500 lbs

Section 16: Other Information

Employers Responsibility: Employers must ensure that the SDSs are readily accessible to employees for all hazardous chemicals in their workplace. This may be done in many ways. For example, employers may keep the SDSs in a binder or on computers as long as the employees have immediate access to the information without leaving their work area when needed and a back-up is available for rapid access to the SDS in the case of a power outage or other emergency. Furthermore, employers may want to designate a person(s) responsible for obtaining and maintaining the SDSs. If the employer does not have an SDS, the employer or designated person(s) should contact the manufacturer to obtain on.