

# CMC – Continuous Moisture Control

## Super Absorbent Polymer for Water

### PRODUCT DESCRIPTION and USE

CMC polymers have a unique ability to absorb water and organic fluids, and resist biodegradation to retain liquid under pressure. This makes waste fluids easier to handle and acceptable for disposal in landfills. CMC polymers are suitable for any industry needing to solidify liquid waste streams—whether for manufacturing, maintenance, dewatering, or environmental cleanup.

- CMC is a fast-acting, super absorbent polymer with rapid activation rates. About the size of white sugar crystals when dry, the fully hydrated crystals remain under 3/16" and do not plug sump pump screens. CMC efficiently solidifies waste streams without significantly increasing weight or volume
- One pound of CMC will absorb 25 gallons of clear water in a few minutes
- CMC reduces the cost to dispose of otherwise difficult to handle materials, making them eligible for disposal in landfills as solidified liquid waste
- CMC is ideally suited for any liquid waste from difficult to pump puddles, to drying out of large wet slurries. It solidifies waste for mechanical removal and easier transport
- For every pound of CMC added per ton of slurry, sludge or other general mine waste, the moisture contained is reduced by approximately 10%

### BENEFITS

- Hydrates in minutes, not hours and is minimally affected by temperature
- Absorbs more liquid by weight than organic sorbents
- Retains liquid under pressure
- Resists biodegradation
- Passes the EPA Test Method 9095 paint filter test
- Approved for landfill use
- Many waste streams pass TCLP (EPA Test Method 1311) for RCRA metals after solidification
- Mixes quickly to improve production efficiency



### APPLICATIONS

- Drilling fluid (mud) and drill cuttings disposal
- Mine tailings
- Pit, pond and lagoon closures
- Above and below ground tank decommissioning
- Waste contained in roll off boxes
- Hazardous waste streams
- MGP remediation
- Soil fixation and stabilization
- Dewatering fly ash and gypsum mixtures

| Quick Reference – 25 gal water: 1lb CMC |                        |
|---|------------------------|
| Gallons                                 | Pounds of CMC Required |
| 25                                      | 1                      |
| 100                                     | 4                      |
| 200                                     | 8                      |
| 400                                     | 16                     |
| 800                                     | 32                     |
| 1250                                    | 50                     |

### Packaging Available

50# sacks x 40 pallet (2,000#)

### Safety Precautions

CMC is extremely safe to use and handle. See SDS for specific questions.