

AlkaMilk™

MAGNESIUM HYDROXIDE
POWDERS & SLURRIES

PRODUCT BULLETIN

MAGNESIUM HYDROXIDE POWDERS & SLURRIES

RAISES pH. ADDS ALKALINITY.
ODOR AND CORROSION CONTROL.



RAISES pH
Adds Alkalinity



ODOR
CONTROL



CORROSION
CONTROL



NUTRIENT
REMOVAL



SOLIDS
SETTLING

Superior alkalinity. Proven performance.

AlkaMilk standard and ultra-fine magnesium hydroxide products are high purity, fine white powders and slurries designed to raise pH, add alkalinity, control odors, reduce corrosion, and remove nutrients for water and wastewater treatment applications.



AlkaMilk standard and ultra-fine are equivalent to magnesium hydroxide products manufactured from a magnesium-rich brine and dolomitic lime and meet or exceed the specifications shown below.



TYPICAL CHEMICAL & PHYSICAL SPECIFICATIONS

CHEMICAL COMPOSITION	Typical	Specification
Magnesium Hydroxide (Mg(OH) ₂), %	98.7	98.0 min.
Magnesium Oxide (MgO), % (equivalent)	68.1	67.7 min.
Calcium Oxide (CaO), %	0.63	0.70 max.
Silicon Oxide (SiO ₂), %	0.20	0.35 max.
Iron Oxide (Fe ₂ O ₃), %	0.10	0.20 max.
Aluminum Oxide (Al ₂ O ₃), %	0.06	0.15 max.
Chloride (Cl), %	0.30	0.35 max.
Sulfate (SO ₃), %	0.01	0.25 max.
Loss on Ignition, %	31	29.0 min.
Free Moisture, %	0.34	2.0 max.
PHYSICAL PROPERTIES	Typical	Specification
Surface Area, m ² /g	13	7 – 18
% Passing 325 mesh	99.9	99.5 min.
Median Particle Size, micron		
Standard (Fine)	4	2 – 8
Ultra-Fine	1.0	0.8 – 2.0
Loose Bulk Density, lb/ft ³	22	--
Tapped Bulk Density, lb/ft ³	36	--

PACKAGING OPTIONS

POWDER – 25-kg (55.116-lbs) BAGS
40 BAGS PER PALLET



SLURRY – 275-GALLON TOTES



SLURRY – MINI-BULK



THE ALKAMILK ADVANTAGE



PROTECTS
INFRASTRUCTURE

Reduces corrosion
and extends
asset life



CONTROLS
ODORS

Effectively controls
hydrogen sulfide
and other odors



RAISES pH.
ADDS ALKALINITY.

Provides consistent
alkalinity for stable
performance



IMPROVES
TREATMENT
EFFICIENCY

Supports nutrient
removal and
solids settling



REDUCES
CHEMICAL
FOOTPRINT

Replaces hazardous
and corrosive
chemicals

OCPE
ODOR CONTROL PRODUCTS & EQUIPMENT

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www.municipalodorcontrol.com



ALKALINITY ON DEMAND™

STRONG ALKALINITY. CLEANER RESULTS.

AlkaMilk™ magnesium hydroxide powders & slurries deliver reliable pH control, odor reduction, and corrosion protection for every drop you treat.



RAISES pH
Adds Alkalinity



CONTROLS
ODORS



CORROSION
PROTECTION



REMOVES
NUTRIENTS



IMPROVES
SOLIDS
SETTLING



PROTECT YOUR SYSTEM.
PRESERVE CRITICAL
INFRASTRUCTURE.

RAISES pH. PREVENTS SEPTIC CONDITIONS.
PROTECTS INFRASTRUCTURE.



BUY BY THE PALLET, TOTE, OR MINI-BULK. USE ONLY WHAT YOU NEED.

POWDERS – BAGS



25-kg Bags
Pallet Quantities

- ✓ High purity.
- ✓ Consistent quality.
- ✓ Easy to handle.

SLURRIES – TOTES



275-Gallon Totes
High-Flow
Performance

- ✓ Easy to store.
- ✓ Easy to pump.
- ✓ Built for results.

SLURRIES – MINI-BULK



On-Demand Delivery
Right-Sized.
Ready When
You Need It.

- ✓ Flexible.
- ✓ Convenient.
- ✓ No waste.



ORDER BY THE
PALLET, TOTE, OR MINI-BULK.
DELIVERED WHEN YOU NEED IT.

ORDER NOW – NO CONTRACT REQUIRED



HIGH PURITY
CONSISTENT QUALITY



QUICK pH RESPONSE
SUPERIOR PERFORMANCE



VERSATILE FOR ANY SYSTEM
WATER & WASTEWATER



DEPENDABLE SUPPLY
WHEN YOU NEED IT.

MAGNESIUM HYDROXIDE POWDERS & SLURRIES



RAISES pH.
ADDS ALKALINITY.



ODOR
CONTROL



CORROSION
CONTROL



SOLIDS
SETTLING

RAISES pH. ADDS ALKALINITY. ODOR AND CORROSION CONTROL.

POWDERS – STANDARD (FINE)



Raises pH



Adds Alkalinity



Odor Control



Corrosion Control



25-kg (55.116-lbs) Bags
40 Bags Per Pallet



BUY STANDARD POWDER

Particle Size: Fine (4 Micron)

POWDERS – ULTRA-FINE



Raises pH



Adds Alkalinity



Odor Control



Corrosion Control



25-kg (55.116-lbs) Bags
40 Bags Per Pallet



BUY ULTRA-FINE POWDER

Particle Size: Ultra-Fine (1 Micron)

SLURRIES



275-GALLON TOTES



Raises pH



Adds Alkalinity



Odor Control



Corrosion Control



BUY 275-GALLON TOTE



MINI-BULK



Raises pH



Adds Alkalinity



Odor Control



Corrosion Control



BUY MINI-BULK



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OCPE
ODOR CONTROL PRODUCTS & EQUIPMENT



ORDER ONLINE

www.municipalodorcontrol.com