



MYKOWELL

PRODUCT BULLETIN

Magnesium Oxide

Magnesium oxide is an effective pH buffer for aqueous systems. At low dosages it may be used to extend polymer stability at high temperatures.

Typical Physical Properties

Common Name	Magnesium Oxide	Chemical Formula	MgO
Appearance	Dry Powder	Solubility in Water @ 20 °C	Slightly
Specific Gravity	3.50 - 3.60	Colour	Off White

Application

Magnesium oxide can be used as a pH buffer to maintain the pH of polymer circulating systems in the 8.5 - 10.0 pH range. Magnesium oxide buffer provides supplemental filtration control and stabilises polymer systems using sodium chloride, oil soluble resin or calcium carbonate bridging materials. Magnesium oxide also prevents thermal degradation by deterring acid hydrolysis.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

Packed in 25kg PP Woven bags or 1MT bulk bags

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

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