

## GRINDING AIDS

Master Format #: 00 00 00

# EUCEM™ CGA 4 HS

## CEMENT GRINDING AID



**EUCLID CHEMICAL**

### PRODUCT INFORMATION

#### PACKAGING

Available in 55 gal (208 L) drums,  
264 gal (1000 L) totes, and bulk

#### SHELF LIFE

12 months

#### SPECIFICATIONS/COMPLIANCES

ASTM C465

#### TECHNICAL INFORMATION

**Aqueous Solution**

**Freezing Point:** 0°F (-18 °C)

**Odor:** Mild Vinegar Odor

**Viscosity at 68°F (20°C):** 70 - 110 cps

### DESCRIPTION

EUCEM CGA 4 HS is a polyethanolamine acetate based grinding specifically formulated to improve the grinding of minerals and is particularly recommended for grinding Portland cement. EUCEM CGA 4 HS is very effective in improving cement flow characteristics and preventing pack set.

### PRODUCT CHARACTERISTICS

#### FEATURES & BENEFITS

- Mill production is increased up to 20% depending on the efficiency of the equipment and the characteristics of the material to be ground.
- Grinding energy requirements and therefore grinding costs are reduced.
- The particle size distribution of the ground cement is improved, resulting in a more thorough hydration.
- Improved performance in both closed and open circuit systems at equal specific surface area or equal sieve residues.
- The mechanical strengths of cements are maintained or increased at all ages.
- Bulk density is increased.
- Powder flow characteristics are significantly improved before, during and after storage.
- Pack set tendencies and coating are substantially reduced.
- The risk of false set is reduced due to the lower grinding temperatures.

### PRODUCT SPECIFICATION

% Solids (ASTM C494)	Specific Gravity @ 77°F (25 °C) (ASTM D1298)	pH per Electrode @ 77°F (25 °C)
66.0 – 70.0	1.1300 – 1.1600	4.5 – 7.5

### DIRECTIONS FOR USE

#### DOSAGE

The dosage range is from 0.40 lb per short ton (0.2 kg per metric ton) to 1.0 lb per short ton (0.5 kg per metric ton) of cement (active ingredients basis). Industrial trials are required to determine the optimum dosage. Dosage levels in excess of 2.0 lb per short ton (1.0 kg per metric ton) can cause dust emissions and should be avoided.

#### PROCEDURE

EUCEM CGA 4 HS may be introduced directly into the mill or onto the feed conveyor belt. A dosing pump is required to introduce the correct dosage into the mix. Our field technicians are ready to provide advice and assistance in the use of product.

---

## PRECAUTIONS/LIMITATIONS

- Store EUCEM CGA 4 HS at temperatures above 32°F (0°C). If the product freezes, its properties can be recovered after thawing and agitating thoroughly.
- Do not store the product at temperatures above 100°F (38°C) for long periods.
- Refer to Safety Data Sheet for additional information.

Rev. 01.26

**WARRANTY:** The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.