



Antimony based Chromium (VI) Reducing Agent for Cement

Description: POLYSTAR CR 1000 is chemical additive used to reduce the water-soluble Cr(VI) content in cement to below 2 ppm by converting Cr(VI) to Cr(III).

Technical Properties:

Chemical Composition	Antimony
Appearance	Viscous liquid
Color	White
Density (g/cm ³)	1,19 ± 0,03
pH	3,0 - 5,0

Application :

POLYSTAR CR 1000 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump..

Advantage :

- Increases grinding efficiency.
- Reduces mineral grinding costs.
- Provides energy savings.
- Increases powder flowability.
- Decreases the agglomeration of mineral particles.
- Reduces or eliminates blockages in silos.

Health and Safety Information:

The additive must be kept away from the skin and eyes. In case of any contact, it must be washed with water. When contacted with eyes one must immediately rinse it with water and medical support must be taken. Protective goggles / gloves / mask should be used during the usage of the additive. The Safety Data Sheet (SDS) should be read for detailed information.

Dosage:

Recommended dosage range: 40-80 grams/ton for each ppm Cr (VI) in cement. The optimal dosage should be determined through laboratory and industrial mill trials, based on minerals properties, mill settings, and target fineness.

Storage:

Must be stored at temperatures between +5°C and +35°C. Direct sunlight exposure and freezing conditions should be avoided. Once frozen, the product should be thawed out slowly and re-mixed thoroughly prior to use. Under proper storing conditions, the product's shelf life is 12 months from production date if keep in original packaging unopened and undamaged.



Packaging : 220 kg plastic barrel 1000 kg IBC konteyner

Fire : POLYSTAR CR 1000 non-flammable.

