MATERIAL TECHNICAL DATA SHEET

SERMOC (Cr+6 Reducing Material)

Product Data Sheet
Edition 14/11/2016
Identification no. CR-02

INRODUCTION

- **SERMOC** material was manufactured to make sharp reduction for toxic Cr^{+6} to recover it to the non-toxic form Cr^{+3} by making electron donation within Bi-Sulfite base form while the free electrons within outer shell of sulfur elements are going to be transmitted in order reducing Chromium from Hexavalent form to trivalent one.

CHARACTERISTICS

- **SERMOC** material as shown within material information data sheet is alkaline base (P^H>10.00) which shows ascending increase in the rate of hydration reaction of cement compounds (C3S & C2s and C3A) in order increasing workability
- **SERMOC** material contains Antioxidant that is going to enhance its reduction stability for 30 days after dosing with reduction degradation rate by 20% from the fifth week.

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Chemical - Physical Data

Physical State: Liquid

Appearance: Reddish to Dark Brown

Odor: Suffocating Odor

pH: > 10.00

Density: 1.15-1.25g/cm^3

Boiling Point: 100 Deg. C

DOSAGE

Experiments were conducted to study the effect of **SERMOC** material in reduction of Chromium against various doses for 100 gm. Of a specific cement samples within lab. Testing

- Acquired dose for 1 PPM of Cr^{+6} reduction is 250-300 gm per ton of cement

PACKAGING

SERMOC is available in 835 liter IBC tanks of net weight 1000 Kg.

STORAGE

The additive must be stored at temperature above 0°C. In normal conditions