

Anthraquinone

(Superfine liquid)

Digester Pulping Aid

- Improved Penetration of Liquor
- Acceleration of Delignification
- Stabilization of Carbohydrate

Anthraquinone liquid is a stable water-based pulping aid, formulated to enhance the digester pulping process, and reduce pitch problems.

Anthraquinone liquid improves the rate of penetration of the cooking liquor into the wood chips, non- woods and grasses. It accelerates delignification and stabilizes carbohydrates. This combination of activities results one or more of the following:-

Chemical information

Molecular formula:C14H8O2

Molecular weight:208.10

Median granular diameter D50:<=4um

Partical size D90:<=9.50um

- solvings of active alkali
- lowering of cooking temperature
- shortening of cooking time
- production of Low Kappa number pulp
- lowering of cooking sulfidity
- improvement of yield
- increased pulp strength properties

Anthraquinone liquid 2432 not only contributes improved economics to each mill but also to preserving forest resources.

TYPICAL CHARACTERISTICS

Appearance..... Opaque yellow to light tan
.....viscous liquid
Density @ 25°C (77°F) ~ 1.15 g/ml
Approximate volume per kilogram..... 870 ml
pH (100 ppm in water) 6 – 7

Median granular diameter D50:-----<=2um

Partical size D90:-----<=8.50um

APPLICATION

Anthraquinone liquid is recommended at use levels ranging from 0.02 to 0.2% based on cellulosic raw material weight. The product should be fed to the cooking liquor main flow line with a metering pump. After being uniformly dissolved and dispersed in the cooking liquor, Anthraquinone liquid will immediately impregnate the wood chips upon contact. Dosages can vary depending on mill conditions, wood species and desired effects.

PACKAGING AND HANDLING

Anthraquinone liquid is a liquid packed in nonreturnable drums, returnable semi-bulk containers, and in bulk. **Refer to the Material Safety Data Sheet for suitable materials of construction for handling this product.** Improper handling of this product can be injurious to workers.**Observe all safety precautions shown on the label and in the Material Safety Data Sheet.**