

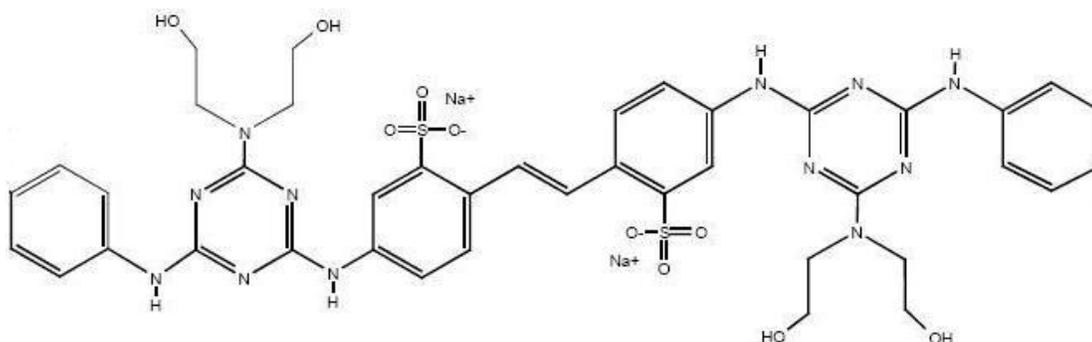
OPTICELL DW 420 (DISULFONATE)

Opticell DW 420 is a stilben disulfonate optical brightener that because of its high affinity to cellulosic fiber develops a high grade of whiteness.

Opticell DW 420 has a great ultraviolet light absorption capacity at 370 nm of the light spectra which is re-emitted at 435 nm. This effect is taken to increase the whiteness in cellulosic fiber.

Properties

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|----------------------------|----------------------------------------------------------|
| <i>Appearance:</i> | Yellowish brown to reddish liquid. |
| <i>Chemical nature:</i> | 4,4' diamine, stilbene 2,2' disulfonic acid, derivative. |
| <i>Ionic character:</i> | Anionic |
| <i>Density:</i> | 1.04 -1.14 g/cm ³ at 25 °C |
| <i>pH :</i> | 8.0 – 11.0 |
| <i>Solubility:</i> | Miscible in water. |
| <i>Viscosity :</i> | < 80 CPS at 25°C |
| <i>Chemical Structure:</i> | |



Applications

Opticell DW 420 is recommended to use only in mass, also may be applied to surfaces or for coating paints, but in these applications does not develop higher whiteness such as those obtained in mass application for paper.

- It has high affinity to cellulose fiber.
- Because of its high affinity, its exhaustion is so fast.
- The best performance at pH 7.0 – 8.5.
- Cleaner effluents.
- It can be obtained high whiteness in secondary fiber and fiber containing high quantities of lignin.

Packaging and Storage

Opticell DW 420 is not classified as hazardous. These products should be stored in fresh areas, where there is any direct contact with sunlight. Avoid store with foodstuffs.

Packing: 1,000 Kg containers and 20,000 Kg. pipe truck.

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