



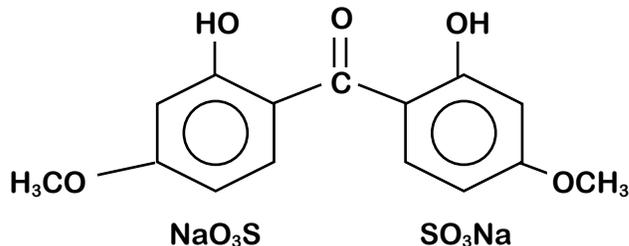
MAXGARD® 1800

UV Stabilizer (76656-36-5) Benzophenone-9

Technical Information

181 Cooper Drive
El Dorado, AR 71730
(870)881-5000

MAXGARD 1800 is an effective light stabilizer for protecting cosmetics from the damaging UV radiation which is a component of natural sunlight. In cosmetics/perfumes, the stability is improved. It stabilizes colors in various applications. **MAXGARD 1800** has a very broad absorption band which extends into the UV-B range. It is a water-soluble UV absorber.



MAXGARD 1800

2,2'-Dihydroxy-4,4'-dimethoxybenzophenone-5,5'-bis (sodium sulfonate)

$C_{15}H_{12}Na_2O_{11}S_2$ - FW 478

Benzophenone-9

Applications

Cosmetics—
Product protection

Fragrances—
Product protection

Hair/Personal Care —
Product protection

MAXGARD 1800
UV Absorbance

50mg/l in Water



Physical and Chemical Properties

Physical form - Pale yellow powder

Melting Point - N/A

Mass Density - 1.21 g/cm³ at 25°C

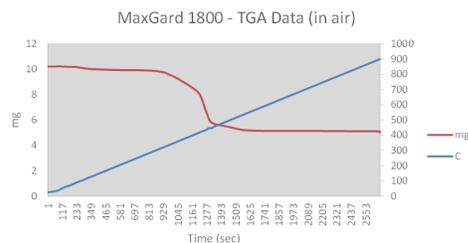
Std. K-Value - 17 at 331nm

TGA Data –Mass Loss

1% mass loss (98.89°C)

5% mass loss (326.51°C)

10% mass loss (362.25°C)



The product is available in 50kg Plastic Drums (5 drums per pallet).

"The information contained in this bulletin is based on information received of our staff and of others and is presented in good faith and with every belief in its accuracy. Due to the extensive technology involved in its usage, the manufacturer does not guarantee such information, nor does he make any recommendations as to its use in the infringement of any patent. The information contained in this bulletin supersedes and replaces all information contained in all previous bulletins. Seller makes no warranty of any kind, expressed or implied, except that the goods sold hereunder shall meet the specifications of the buyer. Users are responsible for determining the effectiveness of stabilizers in their specific applications."