

OPTICAL BRIGHTENERS FOR:

For: Synthetic Plastics, Washing powder, Printing, Artificial Fibres, Nylon, Cotton, Paper, Polyester Fibre.

	Countertype for..		Appl. C.A.S. nr /
1. Bright 100	OB = Uvitex OB, Optiblanc PL	P, I	7128-64-5
2. Bright 200	OB-1 = Eastobrite OB-1 / KSB	P, F	1533-45-5
3. Bright 315	OB-3 = Eastobrite OB-3	P	1533-45-5
4. Bright 2045	OB-16 = Uvitex OB-16	P, F	2397-00-4
5. Bright 1450	OBK	F	-
6. Bright 3355	OB-1,2	F	-
7. Bright 793	OB-1 = New technology OB-1	P	7128-64-5
8. Bright 882	OB = New technology OB	P, F	1533-45-5
9. Bright 420	KCB = Hostalux KCB	P, F	5089-22-5
10. Bright 444	KS = Hostalux KS		
11. Bright 450	KSN = Hostalux KSN	P, F, I	F.B.368
12. Bright 5500	FP = Uvitex FP	F, I	40470-68-6
13. Bright 5600	FGP	F, I	13001-38-2
14. Bright 5700	PF	F	12224-12-3
15. .P.I. Bright 1210	Fluorescent Brightener ER	P, F	13001-39-3
16. Bright 1220	Fluorescent Brightener ER-1	F, I	58449-88-0
17. Bright 1230	Fluorescent Brightener ER-II	F	-
18. Bright 1300	Fluorescent Brightener NT-1	F	13001-40-6
19. Bright 1320	Fluorescent Brightener NT-3	F	16470-24-9
20. Bright 1370	Fluorescent Brightener NT-8	F	12768-92-2
21. Bright 1410	Fluorescent Brightener NT P	Pa	16470-24-9
22. Bright 8885	Prostab 5198	F	2226-96-2
23. Bright 8886	Blancophor DRS-200 Liq	F	-
24. Bright BMS		D	4193-55-9
25. Bright CBS	Tinopal CBS-X	D	27344-41-8
26. Bright DMS	Tinopal DMS-X	D	16090-02-1

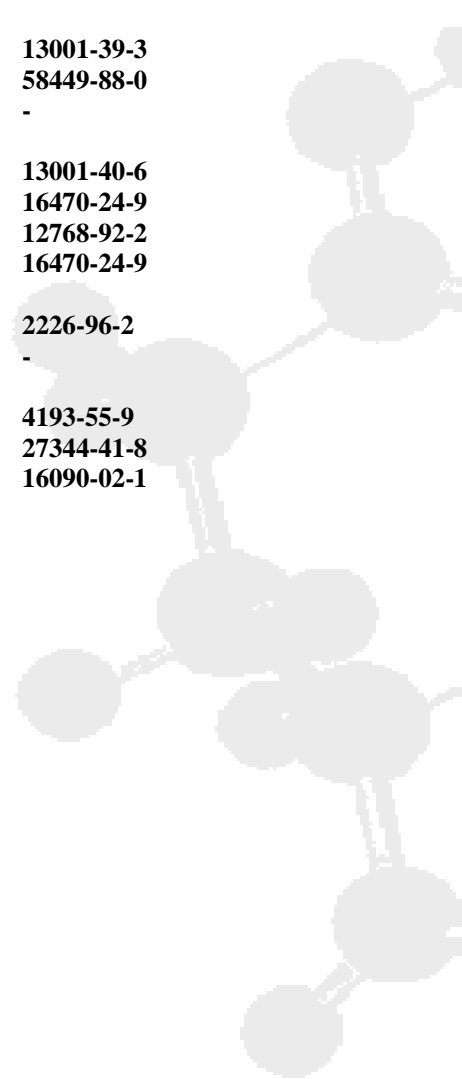
APPLICATION -

Pa	=	Paper	
P	=	Plastics	(PE / PS / PC / PVC, etc)
F	=	Fibres	(Polyester / Man-made / Acrylic)
I	=	Inks	(Inks / Paints / Coatings)
D	=	Detergents	

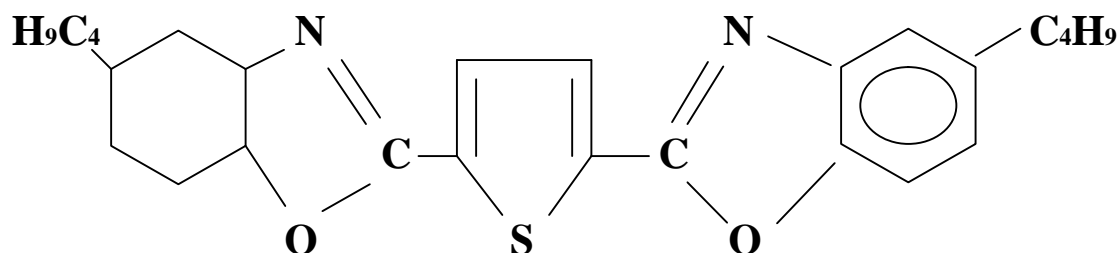
Sufficient availability in our warehouse's Rotterdam / Antwerpen.

Duties for E.E.C. customers : paid already by us.

Custom Tariff number : 3204.2000.00.



PRODUCT NAME : BRIGHT 100



Chemical name : 2,2 (2,5 Thiophenediyl) Bis 5 (1,1 Dimethylethyl) Benzoxazole.
Molecular weight : 430
CAS No. : 7128-64-5

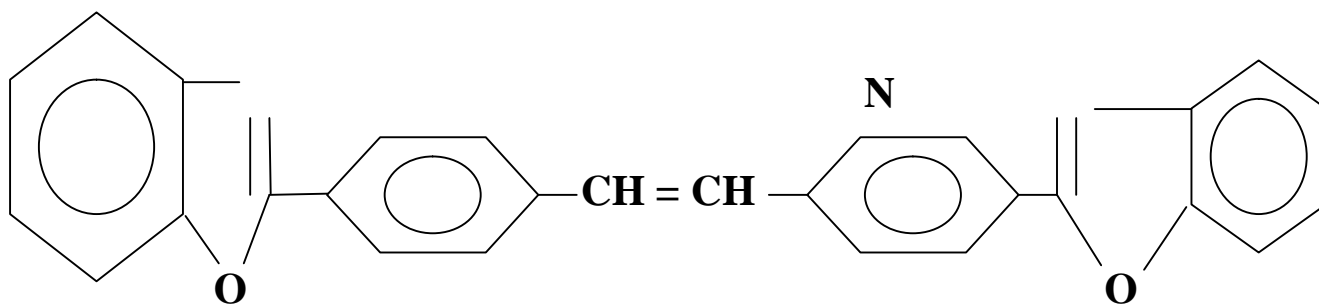
SPECIFICATIONS

Appearance : Yellowish green powder
Melting point : 196 ~ 203 °C
Ash : 0,1% max.
Volatile Content : 0,5% max.
Particle size : 200 meshes
Assay : 99% min.

PACKING : 25 kgs/fibre drum with PE liner.

APPLICATION : **An optical brightener recommended for the use in a wide variety of plastics, clear lacquers, UV coating and printing inks.**

PRODUCT NAME : BRIGHT 200



Chemical name : 2,2 (1,2 Ethenedyldi 4,1 phenylene) Bisbenzoxazole
Molecular weight : 414,4
CAS No. : 1533-45-5

SPECIFICATIONS

Appearance : Yellowish green powder
Melting point : 351 ~ 353 °C
Ash : 0,1% max.
Volatile Content : 0,5% max.
Particle Size : 200 meshes
Assay : 99% min.

PACKING : 10 kgs/fibre drum with PE liner

APPLICATION : **An optical brightener for plastics (PP, ABS, EVA, PS and PC) and fibre (polyester fibre and PP fibre.)**

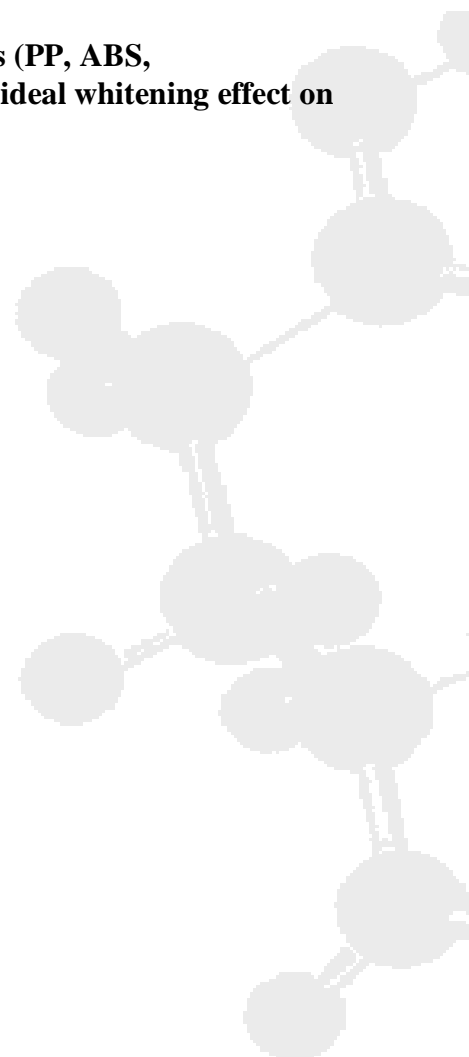
PRODUCT NAME : BRIGHT 315

Chemical name: : Diphenylethylene Bisbenzoxazole
C.A.S number : 1533-45-5
Danger class : Not dangerous

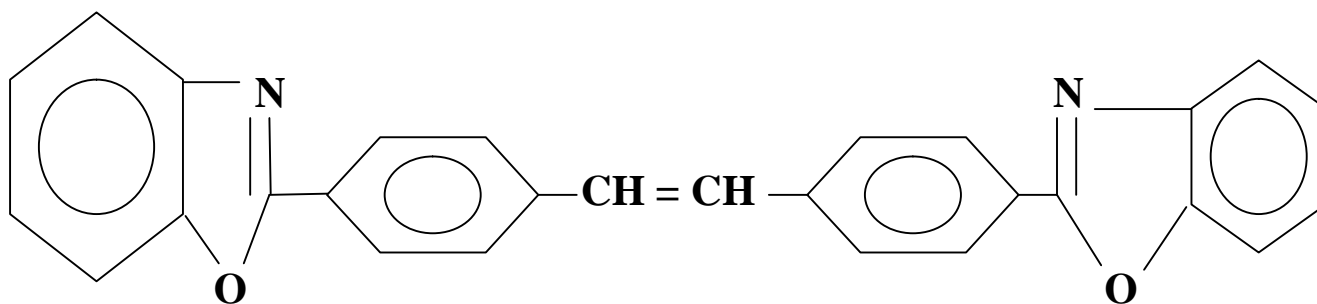
SPECIFICATIONS

Appearance : Greenish yellow crystalline powder
Specific Gravity : 1.39
@ 20°C/20°C : 357 - 359°C
Melting point : 95.0 wt %
Assay : Insoluble in water but is soluble in high boil point organic
Solubility : solvents such as
phenyl-chloride

APPLICATION : **An optical brightener for plastics (PP, ABS, EVA, PS and PC). It also has an ideal whitening effect on polyester-cotton blend fabric.**



PRODUCT NAME : BRIGHT 2045



Chemical name : 4,4-bis (5 – Methyl – 2 – benzoxazolyl) Stilbene
Molecular weight : 442,4
CAS No. : 2397-00-4

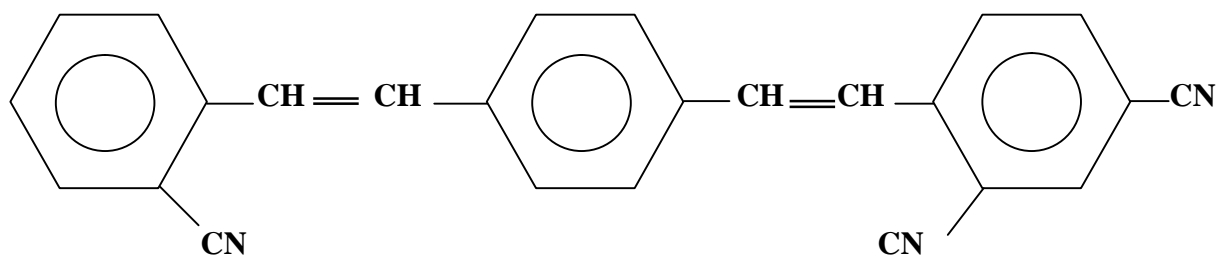
SPECIFICATIONS

Appearance : Yellowish powder
Melting point : 260 ~ 264 °C
Ash : 0,3% max.
Assay : 99% min.

PACKING : 10 kgs/fibre drum with PE liner

APPLICATION : **An optical brightener for plastics (PP, ABS, EVA, PS and PC) and fibre (polyester fibre and PP fibre.)**

PRODUCT NAME : BRIGHT 1450



Molecular formula : C₂₈H₁₈N₂O₂

Molecular Weight : 414

SPECIFICATIONS

Appearance : Green – Yellow crystal powder

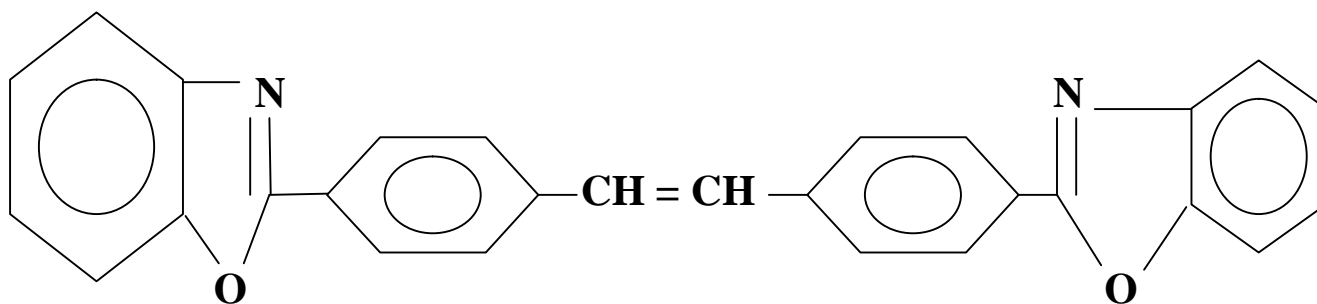
Melting point : 228 - 230 °C

Assay : 99,5% min.

PACKING : 20 or 25 kgs net fibre drums double lined with plastic bags.

APPLICATION : **Polyester fibres.**

PRODUCT NAME : BRIGHT 3355



Chemical name : 4-Methyl-2,2'-(1,2-Ethylenediyl)di-4,1-phenylene)
Bisbenzoxazole
Molecular formula : C₂₉H₂₁N₂O₂
CAS No. : 2397-00-4

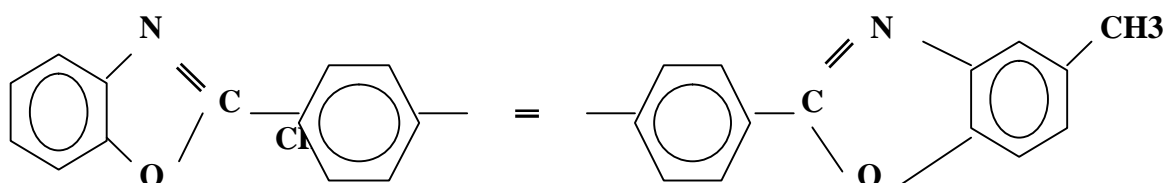
SPECIFICATIONS

Appearance : Yellowish crystal powder
Melting point : 295 ~ 297 °C
Absorption : 374 nm (Max)
Assay : 99% min.

PACKING : 25 kgs/fibre drums with PE liner

APPLICATION : **An optical brightener for plastics (PP, ABS, EVA, PS and PC) and fibre (polyester fibre and PP fibre.)**

PRODUCT NAME : BRIGHT 793



Chemical name : 4,4-Bis(2-benzoxazolyl)stilbene
CAS No. : 1533-45-5

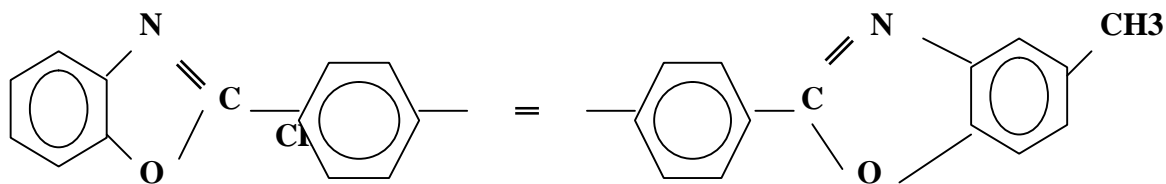
SPECIFICATIONS

Appearance : Yellowish green powder
Melting point : 365 ~ 370 °C
Ash : 0.10%
Volatile Content : 0.40%
Penetration effect : 450nm 95.0%
500nm 97.0%

PACKING : 25 kgs/fiber drum with PE liner

APPLICATION : **An improved optical brightener for plastics (PP, ABS, EVA, PS and PC) and fibre (polyester fibre and PP fibre), the whitening effect is much more efficient than OB-1**

PRODUCT NAME : BRIGHT 882



Chemical name : 2,5-thiophenedylbis(5-tert-butyl-1,3-benzoxazole)

CAS No. : 7128-64-5

SPECIFICATIONS

Appearance : Pale yellowish powder

Melting point : 201.5 ~ 202.5 °C

Ash : 0.10%

Volatile Content : 0.47%

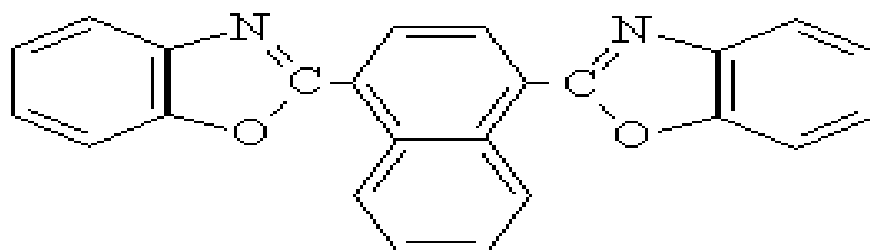
Penetration effect : 450nm 94.2%

500nm 96.5%

PACKING : 25 kgs/fibre drum with PE liner

APPLICATION : **Highly effective in polymer substrates such as engineering plastics e.g. polyesters, polycarbonate, polyamides and acrylics, thermoplastic polyurethane, polyvinylchloride, styrene homo- and copolymers, polyolefins, adhesives and other organic substrates.**

PRODUCT NAME : BRIGHT 420



Chemical name : 1,4-Bis(2-Benzoxazolyl)Naphthalene
Molecular weight : 362
CAS No. : 63310-10-1

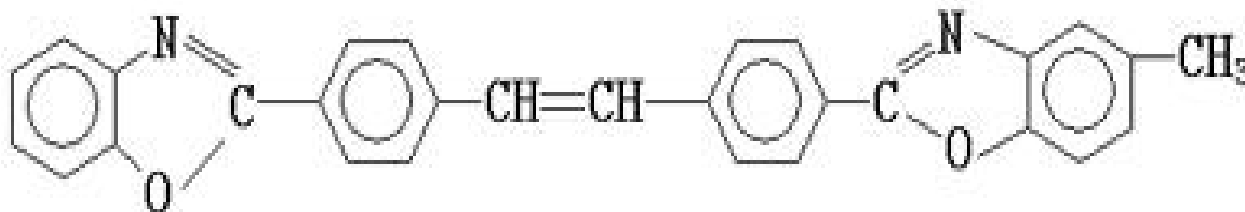
SPECIFICATIONS

Appearance : Yellowish green crystal powder
Melting point : 210 ~ 212 °C
Ash : 0.1% max.
Volatile Content : 0.5% max.
Particle size : 200 meshes
Assay : 99% min.

PACKING : 25 kgs/fibre drum with PE liner.

APPLICATION : **An optical brightener recommended for the use in a wide variety of plastics, especial EVA foamed plastics and rubber plastic, clear lacquers, UV coating and printing inks.**

PRODUCT NAME : BRIGHT 444



(mixture of Bright 2280 and 1150)

C.A.S number of K.S.N. : 5242-49-9

Danger class : Not dangerous

Molecular weight : 362-426

Chemical character : Benzoxazole derivate

SPECIFICATIONS

Appearance : yellow-green powder

KSN content : 80%

KCB content : 20%

Melting point : 250°C-300°C

Particle size : 200 meshes

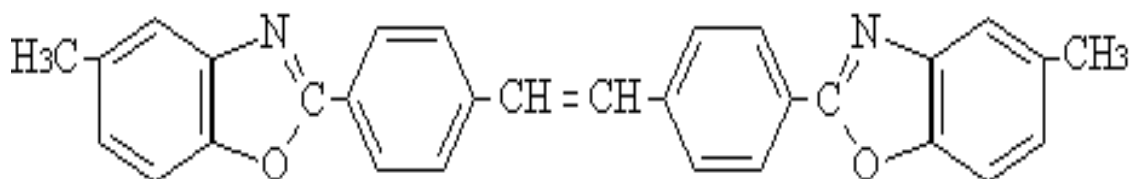
Ash : 0.2% Max

Volatile content : 0.5% Max

PACKING : in 25kgs fibre drums within PE bags.

APPLICATION : **Mainly used for synthetic high polymers at any processing stage, such as films, injection molding and compression molding materials, fibers etc.**

PRODUCT NAME : BRIGHT 450



Chemical name : 2,2'-(1,2-Ethenediyl-di-4,1-phenylene) Bis-5-methylbenzoxazole
Molecular weight : 442
CAS No. : 117313-08-1

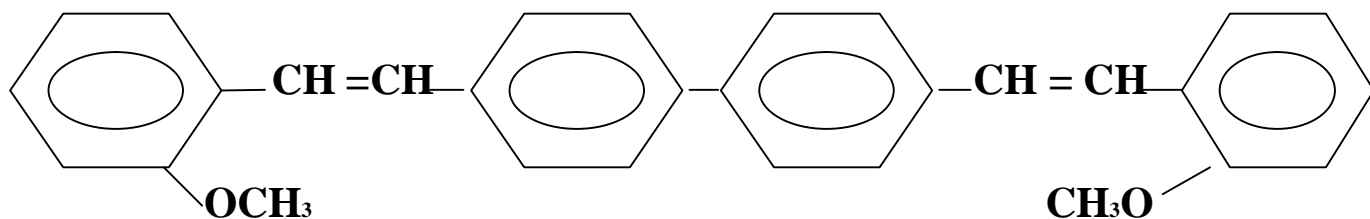
SPECIFICATIONS

Appearance : bright yellow crystal powder
Melting point : 295 °C min
Ash : 0.1% max.
Volatile Content : 0.5% max.
Particle size : 200 meshes
Assay : 99% min.

PACKING : 25 kgs/fibre drum with PE liner.

APPLICATION : **An optical brightener recommended for the use in a wide variety of plastics(PP,ABS, PS and PC) and fibre(polyester fibre and PP fibre).**

PRODUCT NAME : BRIGHT 5500



Chemical name : 4,4'-Bis[2—(2-methoxyphenyl)ethenyl]-1,1'-diphenyl
Molecular weight : 418
CAS No. : 63310-10-1

SPECIFICATIONS

Appearance : light yellow or milk white crystal powder
Melting point : 220 ~ 221 °C
Ash : 0.1% max.
Volatile Content : 0.5% max.
Particle size : 200 meshes
Assay : 99% min.

PACKING : 25 kgs/fibre drum with PE liner.

APPLICATION : **An optical brightener recommended for the use in a wide variety of plastics, such as PVC and PP. It has an extra ideal whitening and brightening effects on artificial leathers.**

PRODUCT NAME : BRIGHT 5600

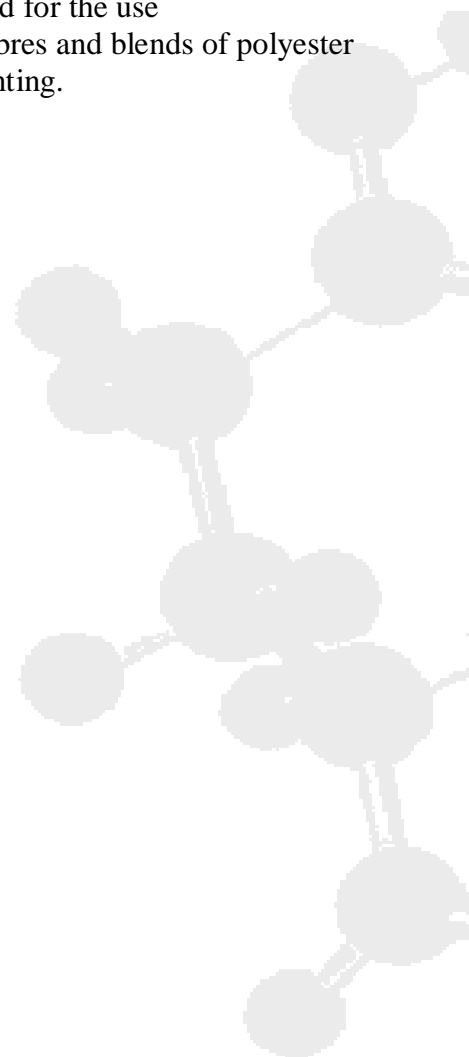
Chemical name : 4,4'-bis(2,4'-cyano-phenylene)-benzene
Molecular weight : 332
CAS No. : 13001-38-2

SPECIFICATIONS

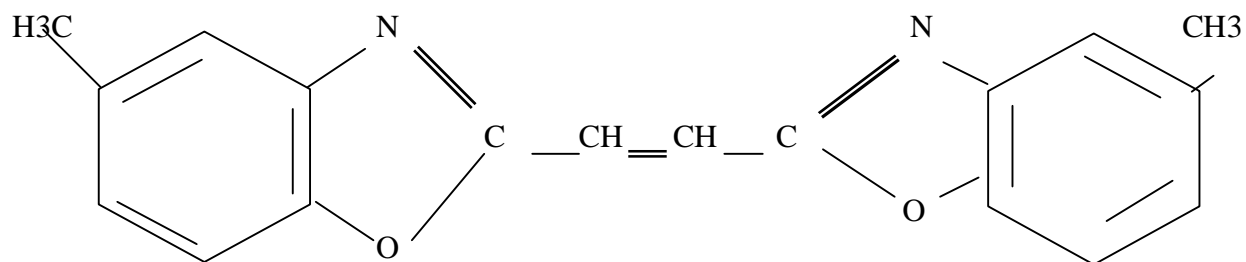
Appearance : light greenish-blue dispersed liquid
Shade : bluish neutral
PH value : approx.7.5 in 1% solution
Solubility : miscible with water in all proportion
Stability : stable in sodium hypochlorite and hydrogen peroxide
liquors
Whitening strength : 300%.

PACKING : 25 kgs plastic drums.

APPLICATION : An optical brightener recommended for the use
to whiten and brighten polyester fibres and blends of polyester
with other fibers in dyeing and printing.



PRODUCT NAME : BRIGHT 5700

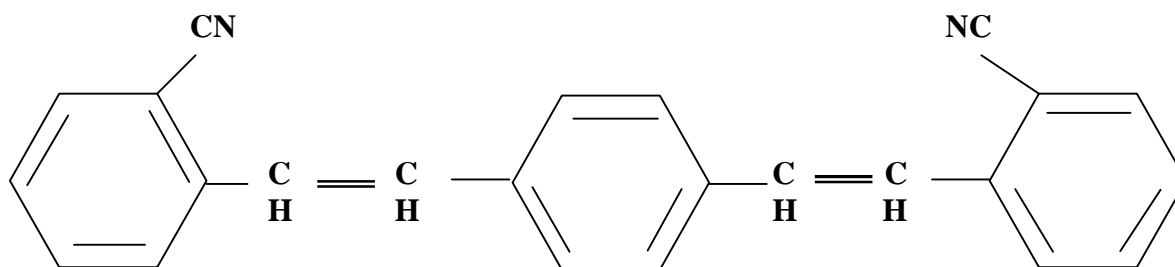


Molecular formula : C₁₈H₁₄N₂O₂
Molecular weight : 290

SPECIFICATIONS

Appearance : Yellow crystal powder
Melting point : 182 – 188 C
Solid content : 99,5 % min.
Fineness : 100 meshes Max.

APPLICATION : **Polyester fibres.**

PRODUCT NAME : BRIGHT 1210

Chemical name : Benzene-4,4'-bis[2-(cyanophenyl) ethenyl]
 Molecular Formula : C₂₄H₁₆N₂
 Molecular Weight : 332

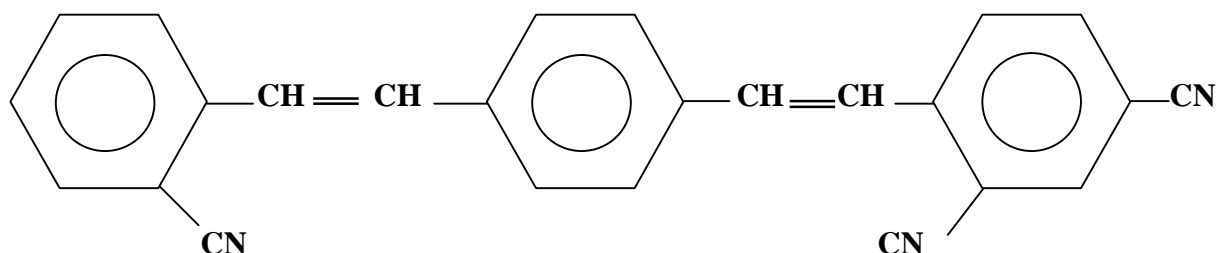
CAS No : 13001-39-3

SPECIFICATIONS :

Appearance : Yellowish green powder
 Assay (HPLC) : 99,0 % min.
 Melting point : 227 °C min.
 Volatile content : 0,5 % max.

PACKING : 25 Kgs net/fibre drums.

APPLICATION : **As a highly efficient optical brightener for polyester fibres, textiles, lacquers, printing inks and man-made fibres.**

PRODUCT NAME : BRIGHT 1220

Chemical name	:	1,4-Bis (cyano Styryl) Benzene
Molecular Formula	:	C ₂₄ H ₁₆ N ₂
Molecular Weight	:	332
CAS No.	:	58449-88-0
C.I. No.	:	40705

SPECIFICATIONS

Appearance	:	Yellowish crystal powder.
Melting point	:	230 - 234 °C
Assay	:	99% min.

PACKING	:	20 or 25 kgs net fibre drums double lined with plastic bags.
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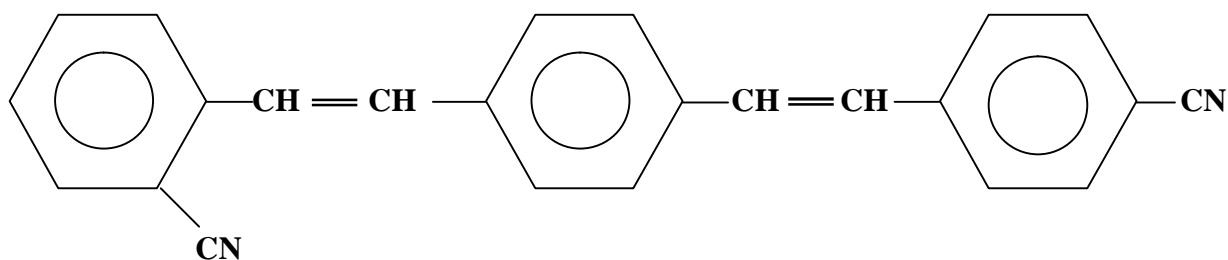
PROPERTIES	:	Fluorescent Brightener Bright 1220 is ideal at using into synthetic fibre for obtaining brighten effect. It is also good at applying into PVC, PE, PP, PS, etc.
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TYPICAL FEATURE	:	Convenient and effective
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APPLICATION

Normal dosage	:	0,1 - 0,4 % in fibre products	
Whitening Temperature	:	130 °C	Duration : 30 min.
Absorbing Temperature	:	190 °C	Duration : 30 min.
Oven Drying Temperature	:	190 °C	Duration : 30 S.

PRODUCT NAME : BRIGHT 1230



Chemical name : Benzene-4,4`-bis[2 - cyanophenyl) ethenyl]
 Molecular Formula : C24H16N2
 Molecular Weight : 332

SPECIFICATIONS

Appearance : Light green yellowish crystal powder.
 Melting point : 182 - 184 °C
 Assay : 99% min.

PACKING : 10 kgs net fibre drums double lined with plastic bags.

PROPERTIES : Fluorescent Brightener Bright 1240 is ideal at using into Dacron for obtaining brighten effect.

TYPICAL FEATURE : Convenient and effective

APPLICATION

Normal dosage : 0,1 - 0,4 % in fibre products
 Whitening Temperature : 130 °C Duration : 30 min.
 Absorbing Temperature : 190 °C Duration : 30 min.
 Oven Drying Temperature : 190 °C Duration : 30 S.

SAFETY AND STOCK

Keeping in stock as ordinary chemicals. Wear protective goggles and gloves while applying. Avoid direct contact with skin and eyes. Soap clean if skin contaminated.

PRODUCT NAME : BRIGHT 1300

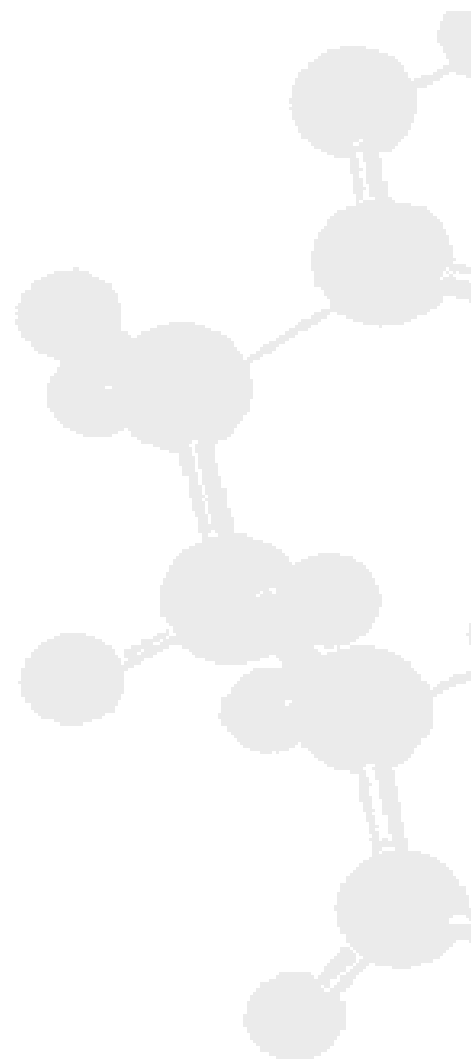
Chemical name : 4,4'-bis(2,2'-cyano-phenylene)-benzene
Molecular weight : 332
CAS No. : 13001-40-6

SPECIFICATIONS

Appearance : light grass greenish-yellow dispersed liquid
Shade : reddish neutral
PH value : approx.7.5 in 1% solution
Solubility : miscible with water in all proportion
Stability : stable in sodium hypochlorite and hydrogen peroxide
liquors
Whitening strength : 330%.

PACKING : 25 kgs plastic drums for liquid.

APPLICATION : An optical brightener recommended for the use
to whiten and brighten polyester fibres and blends of polyester
with other fibers in dyeing and printing.



PRODUCT NAME : BRIGHT 1320

Chemical name : diphenylethylene triazine type
 Molecular weight : 1165
 CAS No. : 16470-24-9

SPECIFICATIONS

	Powder	liquid
Appearance	light yellow powder	brownish yellow
E Value (Whitening Strength)	100% of the standard agent	
Shade	slightly different from the standard agent	
pH value (1% solution)	8-9	7-8
Moisture content	≤ 5%	-----
Content of insoluble impurities	≤ 0.5%	-----
Viscosity	-----	45-50M.Pa.S
Fineness (quantity of residue on sieve having 180um meshes)	≤ 10%	-----

PACKING : 25 kgs/fibre drum with PE liner for powder and 25kg plastic drums for liquid.

APPLICATION : An optical brightener recommended for the use to whiten and brighten cotton, viscose and cellulose fibres or their blends with synthetic fibres in dyeing and printing

PRODUCT NAME : BRIGHT 1370

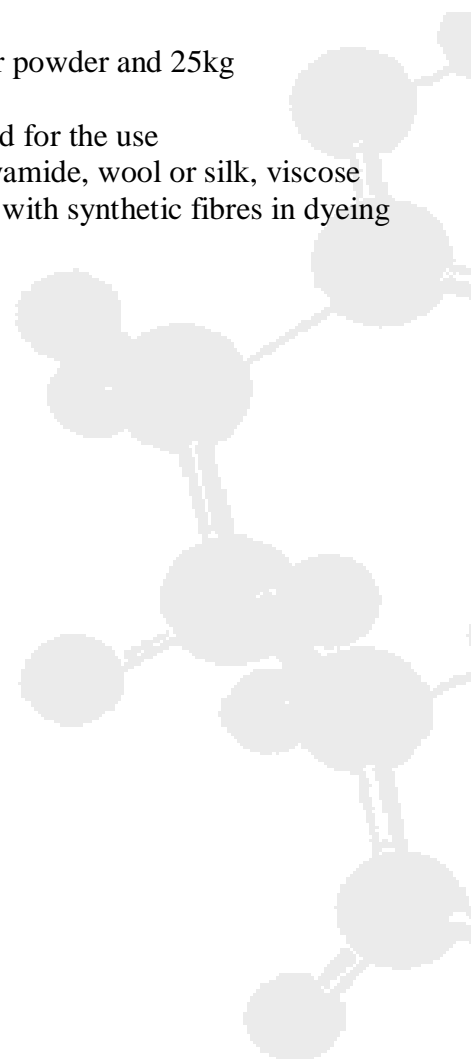
Chemical name : diphenylethylene triazine type
 Molecular weight : 960.5
 CAS No. : 12768-92-2-24-9

SPECIFICATIONS

	Powder	liquid
Appearance	light yellow powder	brownish yellow liquid
E Value (Whitening Strength)	100% of the standard agent	
Shade	slightly different from the standard agent	
pH value (1% solution)	9-10	7-8
Moisture content	≤ 5%	-----
Content of insoluble impurities	≤ 0.5%	-----
Viscosity	-----	45-50M.Pa.S
Fineness (quantity of residue on sieve having 180um meshes)	≤ 10%	-----

PACKING : 25 kgs/fibre drum with PE liner for powder and 25kg plastic drums for liquid.

APPLICATION : An optical brightener recommended for the use to whiten and brighten cotton, polyamide, wool or silk, viscose and cellulose fibres or their blends with synthetic fibres in dyeing and printing.

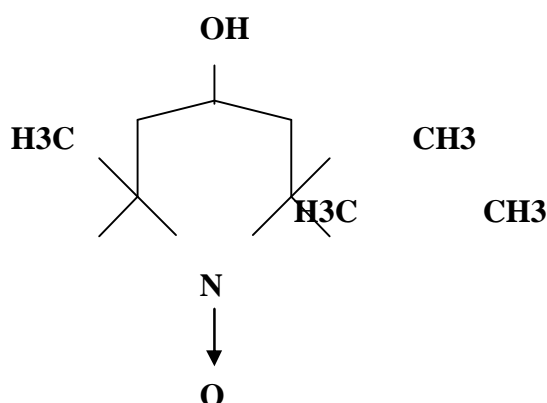


PRODUCT NAME : BRIGHT 8885

Chemical name : 4-Hydroxy Tempo, free radical.

This material is an inhibitor used in the production of acrylic polymer, metacrylic acid ester, acrylic acid, acrylnitrile, phenylethylene and butadiene. This inhibitor is better than phenol, acrylamine, ether, quinone and nitro compound. It can be dissolved in solvents of alcohol, diethyl ether, benzene and ester, though not in water.

Chemical formula :



Molecular formula : C₉H₁₈NO₂
Molecular weight : 172.25
CAS No. : 2226-96-2

SPECIFICATIONS

Appearance : Tangerine colour needle-like crystal
Melting point : 69 ~ 71 °C
Assay : 99 %
Packing : 50 KILO NET / FIBRE DRUMS

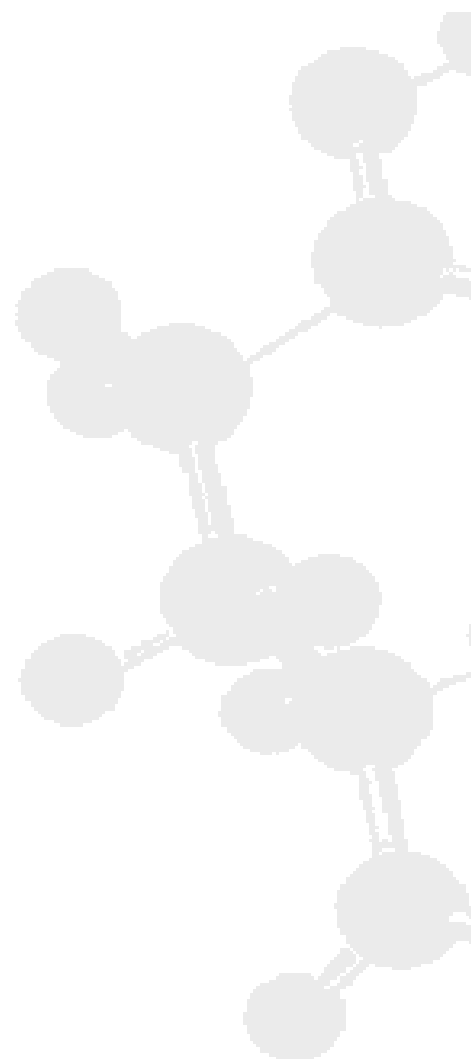
APPLICATION : **Intermediate material for synthesis or organic chemicals.**

PRODUCT NAME : BRIGHT 8886

SPECIFICATIONS

Appearance	:	yellowish liquid
Chemicals character	:	pyrazoline derivative
Dilutability	:	can be diluted in any ratio in weakly acid field
pH (1% dilution)	:	2-4
Density at 20□	:	1.05g/cm ³
Ionic character	:	cationic
Storage stability	:	ca.1 year in closed container at room t pfrom

Stability of solutions to	
Hardness forming salts	good
Stability in bleaching liquors	
Chlorite bleach	not stable
Reduction bleach	good
Perborate	good
F value (saturation factor)	0.35



PRODUCT NAME : BRIGHT BMS

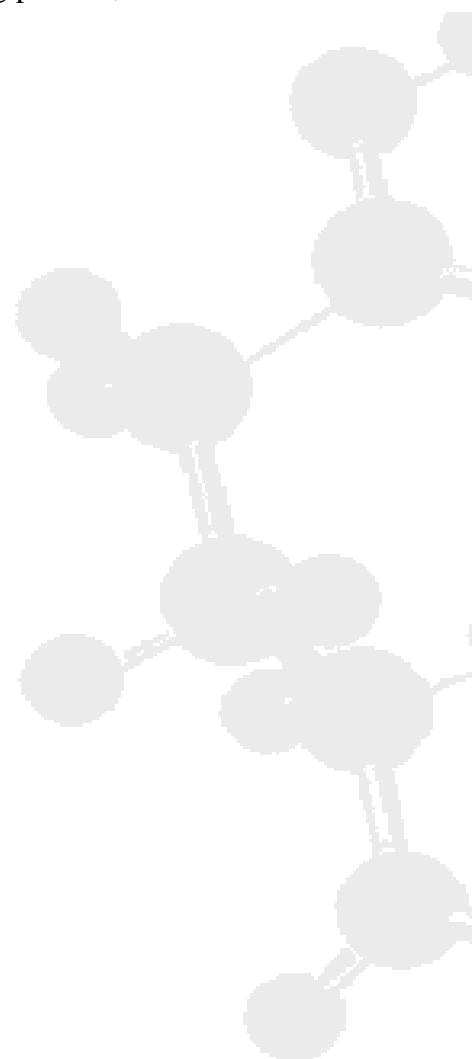
Chemical name : Diphenylethylene triazine type
Molecular weight : 960.5
CAS No. : 4193-55-9

SPECIFICATIONS

Appearance : light yellow powder
Shade : bluish neutral
PH value : approx.8 in 1% solution
Solubility : 50g/L in water at 98°
Stability : stable to alkali and peroxide under conditions usually encountered in household and commercial laundrying liquors
Whitening strength : 200%.

PACKING : 25 kgs fibre drums.

APPLICATION : An optical brightener recommended for the use in laundry detergent, soap, washing powder, bar.

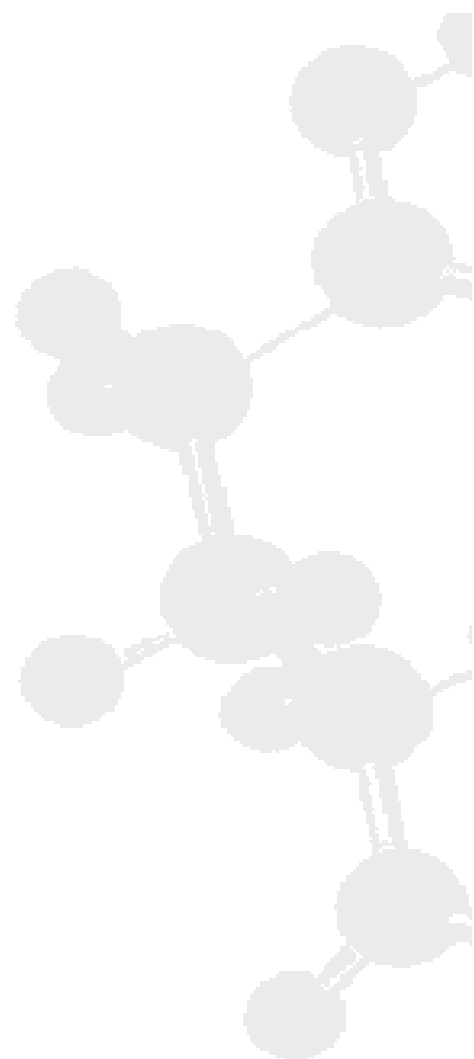


PRODUCT NAME : BRIGHT CBS

Chemical name : 4,4'-bis(2-sodium sulfonate styryl) biphenyl
molecular formula : $C_{28}H_{20}O_6S_2Na_2$

SPECIFICATIONS

Appearance : Bright yellow-green crystalline powder
Solubility : 25g/1000ml in 25°C cool water
300g/1000ml in 95°C hot water
Maxim UV absorption
Wavelength : 348-350nm
Strength : 1003 of the standard
Shade : Similar to the standard
Insolubility in water : <0.5%



PRODUCT NAME : **BRIGHT DMS**

Chemical name : diphenylethylene triazine type
Molecular weight : 924.92
CAS No. : 16090-02-1

SPECIFICATIONS

Appearance : white free-flowing, low-dust granules
Shade : blue-ish neutral
PH value : approx.8 in 1% solution
Solubility : 5g/L in water at 98°
Stability : stable to alkali and peroxide under conditions usually encountered in household and commercial laundrying
Whitening strength : 200%.

PACKING : 25 kgs fibre drums.

APPLICATION : An optical brightener recommended for the use in laundry detergent, soap, washing powder, bar.