

Technical Data Sheet

Optical Brighteners

General description

DayGlo Optical Brighteners are recommended for leak detection and product identification. These brighteners are highly fluorescent under UV light (black light). They are supplied in dry form and offer good solubility and thermal stability.

Applications

- Leak detection
- Adhesives
- Non-destructive metal testing

Available Colors				
Product Code	Color			
D-298	Columbia Blue			
D-286	UV Blue			
D-282	Sky Blue			
D-211	Ice Blue			

Packaging:

5 Gallon Pails = 22 lb

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature (below 60°C)

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties					
Delivery form	Powder				
Recommended usage strength	~0.1%				

Processing	
Heat stability	288°C (550°F)
Compatibility	D-298, D-211 and D-286 are recommended for solvent systems and UV-Blue for aqueous systems. D-298, D-211 and D-286 can also be used in plastics such as PS, PVC, and PET

Optical Brighteners are soluble and are easily mixed-in.

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.



Available Color Physical Properties						
Code	Color	Pigment CI Number	Color in Solution			
D-298	Columbia Blue	Fls. Brightener 61				
D-286	UV Blue	Stilbene Type	Essentially colorless in daylight.			
D-282	Sky Blue	Fls. Brightener 184	Intense blue under UV light.			
D-211	Ice Blue	Fls. Brightener 393				

Solvent Characteristics							
Solvent	D-298 Columbia Blue	D-282 UV-Blue	D-286 Sky Blue	D-211 Ice Blue			
Acetone	>100		2	>100			
Methyl Cellosolve	>100			>100			
Isopropanol	>100			>100			
N-Propyl Acetate	>100		15	>100			
Toluol	>100		50	>50			
Mineral Spirits	Trace		10	Trace			
Heptane	Trace			Trace			
Methylene Chloride	>100		20	>100			
Water	Insoluble	50	Insoluble	Insoluble			
Stable at pH		4-11					

Lightfastness

There are limitations on lightfastness and weathering properties inherent in certain pigments. We recommend that the lightfastness and weathering properties be tested under customers' performance standards.