

BC-533

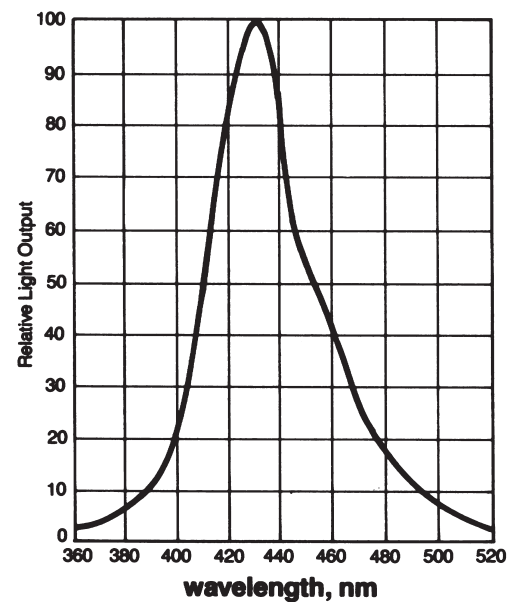
Liquid Scintillators

BC-533 is a general purpose liquid scintillator designed to maintain its clarity and fluid state at -50°C . It has a high flash point, low cost and may be encapsulated in acrylic containers. The liquid is therefore ideally suited for use in large volume detectors, particularly where such systems are exposed to low temperatures.

BC-533 is supplied in anhydrous condition, sealed under inert gas.

Scintillation Properties	
Light Output, %Anthracene	51
Wavelength of Maximum Emission, nm	425
Decay Time, principal component, ns	~3
Bulk Light Attenuation, meters	5
Atomic Composition	
No. of H Atoms per cc ($\times 10^{22}$)	6.79
No. of C Atoms per cc ($\times 10^{22}$)	3.47
Ratio H:C Atoms	1.96
No of Electrons per cc ($\times 10^{23}$)	2.76

Emission Spectrum



General Technical Data -

Density (20°C)	0.80 g/cc
Refractive index	1.45
Flash Point	65°C

BC-533 Liquid Scintillator



Saint-Gobain Crystals

www.crystals.saint-gobain.com

Manufacturer reserves the right to alter specifications.

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