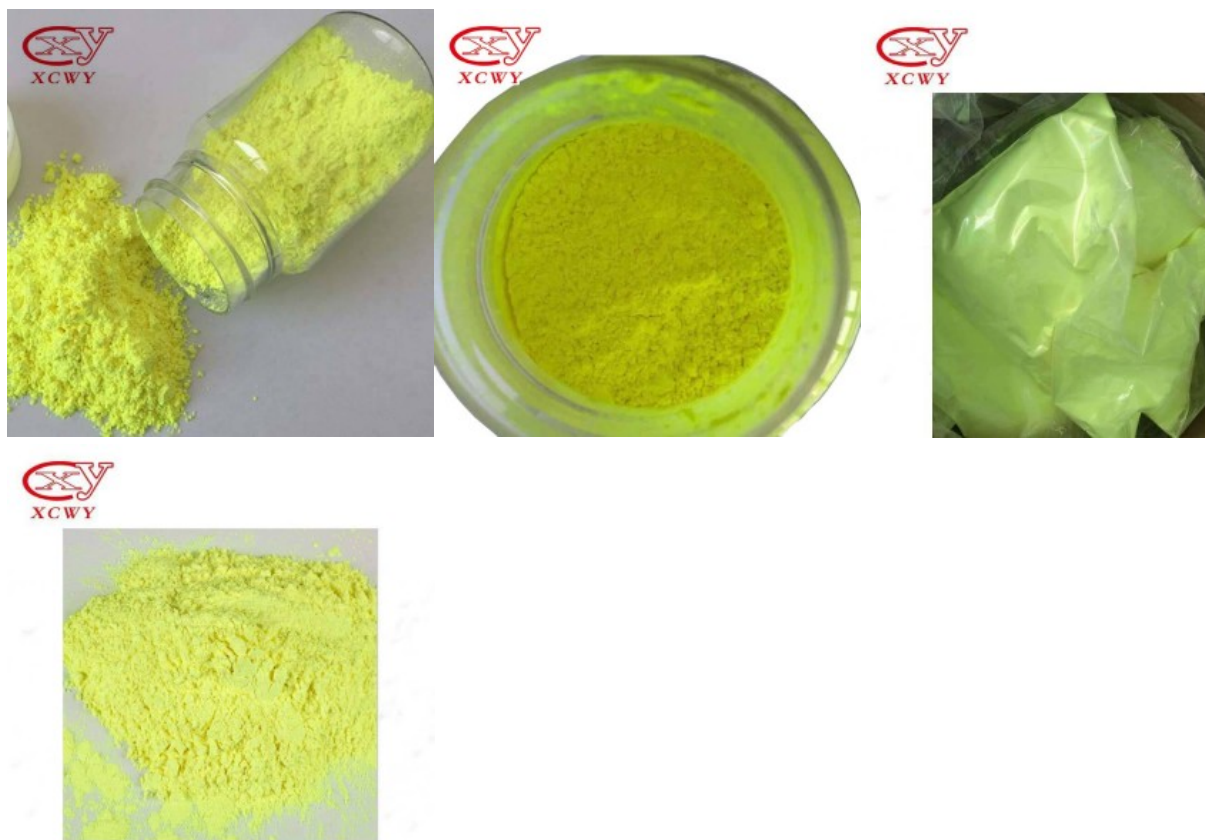


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## Optical Brightener OB-1



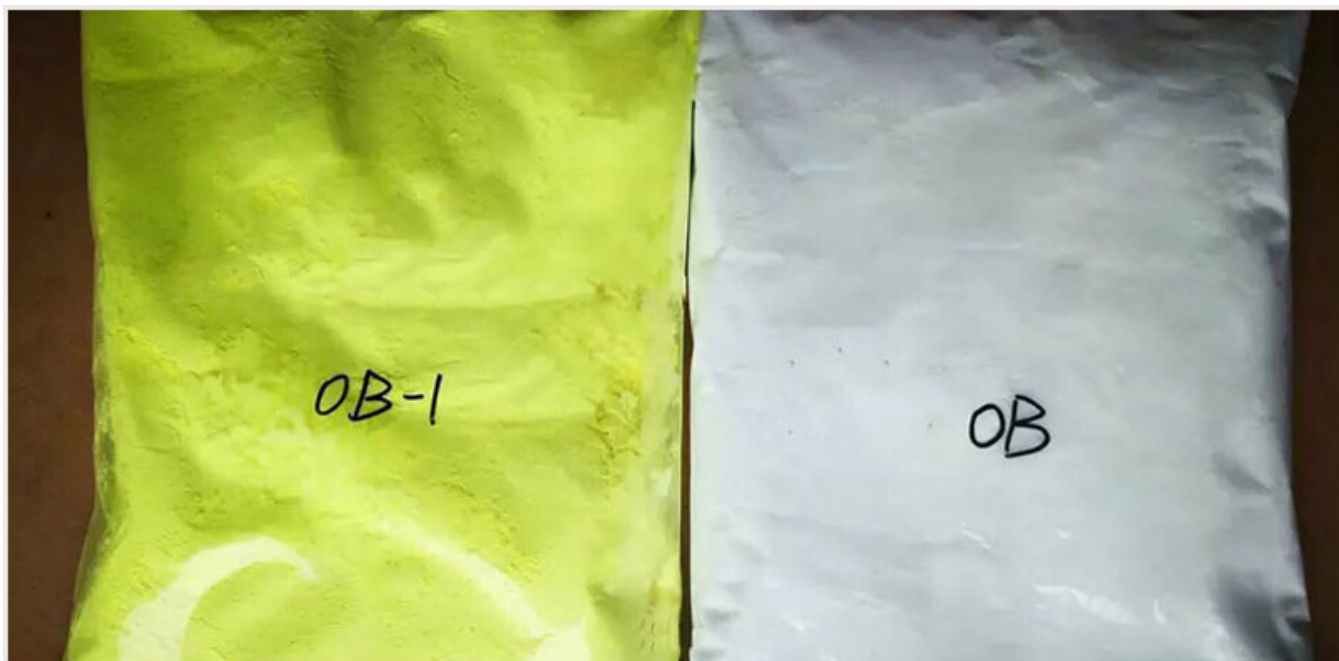
Optical Brightener OB-1 has features of high temperature resistance, stable performance, insoluble in water, good heat resistance, light resistance and migration resistance. It is mainly used for whitening of ABS, PS, HIPS, PA, PC, PP, EVA and rigid PVC.

The whiteness of nylon, nylon and polyester can also be improved by adding Optical Brightener OB-1. XCWY Chemical is specialized in the production of Optical Brighteners manufacturers. We can ensure all of our optical brightener OB-1 quality through strict control for process and product content.



### Optical Brightener OB-1 Specification

- » **Molecular formula:**  $C_{28}H_{18}N_2O_2$
- » **Molecular weight:** 414.45
- » **Content:** 99.5%
- » **Ash:** 0.5%
- » **Appearance:** Yellow or yellowish green crystalline powder
- » **Melting Point:** 355-360 °C
- » **Miscibility:** soluble in organic solvents



**Product dosage: Dosage of Optical Brighteners OB-1 added to 100 kg polymer (reference dosage)**

» PVC: White 0.01-0.05% (10g-50g)

Transparent 0.0001-0.001% (0.1g-1g) (can improve the brightness of PVC)

» PS: White 0.001% (1g)

Transparency 0.0001-0.001% (0.1g-1g)

» ABS: Natural color 0.01-0.05% (10g-50g) (can effectively eliminate the inherent yellow in ABS)

White 0.01-0.05% (10g-50g)

» PE, PP: Colorless 0.0005-0.001% (0.5g-1g)

White 0.005-0.05% (5g-50g)

Other plastics: Consumption can refer to the above examples

When adding any ultraviolet absorbent to the polymer, the optimum dosage of Optical Brightener OB-1 should be adjusted appropriately.

**Optical Brightener OB-1 Applications:**

Optical Brightener OB-1 can be widely used in PVC, PS, ABS, PE, PP and other plastics. Because of its excellent fluorescent whitening effect, good thermal stability and little dosage, OB-1 has been widely used as one of the fluorescent whitening agents in China. It is also suitable for whitening of polyester fibers, coatings, paints, inks and acrylic acid.

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Our strong products: Optical brightener, Rhodamine B, solvent red, sulphur black, cationic dyes. Welcome to visit our factory,

***Yeah ! Add Some Color To Your Life ! XCWY Dyes Welcome your contact !***

**Contact person: Miss Jessie Geng**

**Email: [jessie@xcwychem.com](mailto:jessie@xcwychem.com)**

**Mobilephone/Whatsapp: +86-13503270825**

Product link : <https://www.xcwydyes.com/optical-brightener-ob-1.html>