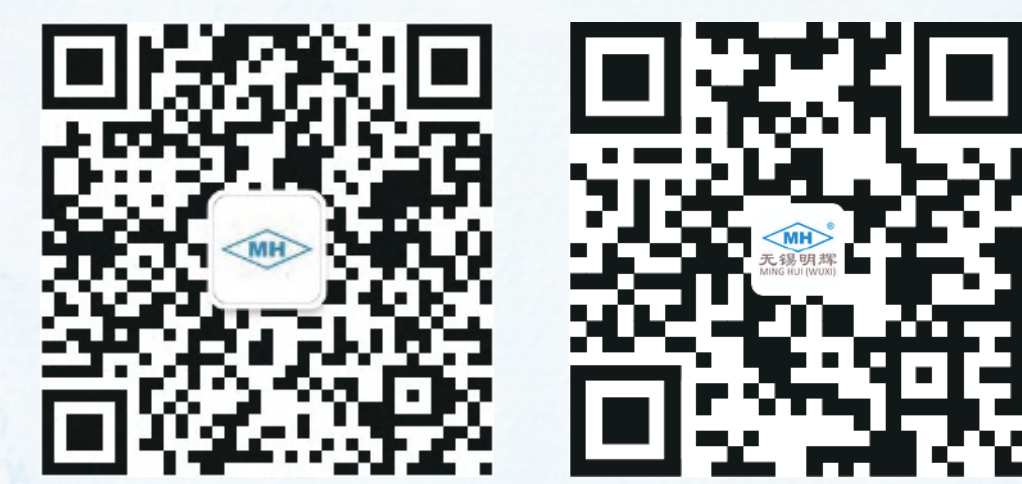




Dispersants are additive that are commonly used in pigments to improve their performance and stability. Pigments can easily clump together and settle, leading to uneven colour distribution and reduced colour intensity. Dispersants help to prevent this by breaking up pigment agglomerates and keeping them suspended in the liquid medium. This leads to better dispersion and improved colour strength, as well as other benefits such as improved flow and reduced sedimentation. Dispersants work by adsorbing onto the surface of pigment particles, creating a repulsive force that keeps them separated. Different types of dispersants can be used depending on the specific application and the type of pigment being dispersed.

Overall, dispersants are an important additive in the production of high-quality pigments that meet the demanding requirements of various industries.

APPLICATIONS

- | | |
|---------------------|---------------------------------|
| - Industrial Paint | GSH-3310; GSH-3256 |
| - Wood Paint | GSH-3310; GSH-5200 |
| - Plastic Coating | GSH-3310; GSH-5200 |
| - Refinish Paint 2K | GSH-3310; GSH-3256 |
| - Refinish Paint 1K | GSH-3310 |
| - Dispersions | GSH-3256; GSH-5200;
GSH-1151 |

CHARACTERS

- Increase Pigment Dosage
- Decrease Milling Time
- Universal Resin Compatibility
- Increase Colour Strength & Glossy
- Better Stability

SOLVENT SYSTEM DISPERSION

Code	Type	Application Characters
GSH-2400	Polymeric Compound	As dispersion agent for organic or inorganic pigments and silica in gravure ink, UV ink, industrial paint, wood paint, plastic coating applications;
GSH-3310	Acrylate Block Copolymer	For high BET carbon black (FW 200) and organic pigments dispersion in acrylate paint, UV paste, and unsaturated polyester resin paint;
GSH-3256	Polymeric Compound	For high BET carbon black and organic pigments dispersion in high-temperature baking finishing, coil coating and car refinishing paint;
GSH-1151	Polyurethane	For carbon black and organic pigments in epoxy resin, polyether and polyester polyols, good for lower viscosity, good color rendering;
GSH-5200	Phosphate Esters	As dispersion agent for TiO ₂ or other inorganic pigments or fillers;

AQUEOUS SYSTEM DISPERSION

Code	Type	Application Characters
GSH-2700W	Polyethers	For dispersion of organic pigments in aqueous ink and paste;
GSH-7602W	Acrylic	Particular for carbon black and inorganic pigment paste dispersion;
GSH-1903W	Acrylic	For high BET carbon black and organic pigments, particular for aqueous industrial and car finishing paint, also cigarette packing printing ink;
GSH-3038W	Phosphate Esters	For aqueous system inorganic pigments and filler, good anti-sinking performance;



分散剂常用于颜料中以改善其性能和稳定性。

颜料容易聚集并沉淀，导致颜色分布不均从而导致颜色强度降低。分散剂通过分散凝聚的颜料并保持其悬浮于液体介质中来防止这种现象。以此提供更好的分散性并改善的色彩强度，同时改善流动性和减少沉淀。分散剂通过吸附到颜料颗粒的表面上，让颗粒间产生斥力，保持分散状态。根据具体应用和分散的颜料类型，可以使用不同类型的分散剂。

总的来说，分散剂是满足各种行业要求的高品质颜料的重要助剂。

应用

- 工业漆

GSH-3310; GSH-3256
- 木器漆

GSH-3310; GSH-5200
- 塑料漆

GSH-3310; GSH-5200
- 修补漆2K

GSH-3310; GSH-3256
- 修补漆1K

GSH-3310
- 通用色浆配方

GSH-3256; GSH-5200;
GSH-1151

主要特征

- 增加分散体系内的含固量（颜料量）

- 缩短研磨时间

- 树脂兼容性强

- 增强色光强度和光泽度

- 更好的稳定性

油性分散剂

型号	化学类型	产品特性
GSH-2400	聚酯类化合物	凹版复合墨，UV墨，工业漆，木器漆，塑胶漆等体系中碳黑，有机颜料，钛白粉，消光粉的分散。
GSH-3310	丙烯酸类嵌段共聚物	分散高表面碳黑 (FW200) 和有机颜料，高端丙烯酸体系涂料，UV色浆，不饱和树脂色浆的制备。
GSH-3256	聚酯类化合物	分散有机颜料和高表面碳黑，推荐用于耐高温的聚酯烤漆，卷钢涂料和汽车修补漆等。
GSH-1151	聚氨酯类	用于环氧树脂体系，聚醚多元醇和聚酯多元醇的PU色浆体系，分散碳黑和有机颜料，降粘突出，展色性好。
GSH-5200	磷酸酯类	用于钛白粉，无机颜料，填料的分散。

水性分散剂

型号	化学类型	产品特性
GSH-2700W	聚醚类	用于水性油墨和色浆体系中，主要用于有机颜料的分散。
GSH-7602W	丙烯酸酯	碳黑和无机颜料专用的水性分散剂，降粘效果好，通用色浆专用。
GSH-1903W	丙烯酸酯	用于水性体系，含树脂和无树脂色浆体系都可以，分散高表面碳黑和有机颜料，特别是高端水性工业漆和汽车漆等，用于水性色浆的制备和烟包油墨体系。
GSH-3038W	磷酸酯	水性体系分散无机颜料，填料，防沉性好。