

EGDS

Pearlescent agent

Glycol Distearate is a flake pearlescent agent with stronger pearlescent intensity and brighter luster.

1.Product Composition

Product Name:	Glycol Distearate;Ethylene glycol distearate;
CAS Number:	91031-31-1
Molecular Formula:	C ₃₈ H ₇₄ O ₄
Molecular Weight:	594.47

2.Product Indicators

Test	Specification
Appearance	White to light yellow flake
Odor(25°C, Sense of smell)	Characteristic odor
Acid value (mg KOH/g)	Max.3.0
Monoester content (%)	Max.20
Saponification value (mg KOH/g)	190-200
Ethylene glycol content (%)	Max.1.0
Melting point (°C)	60-64

4.Features & Applications

Glycol Distearate (EGDS) is used as a pearlescent agent in daily chemicals, which can give shower gels, shampoos and other products a strong pearlescent luster. Its diester structure is easy to form regular crystals, and the pearlescent intensity is better than ethylene Glycol Stearate (EGMS). Compared with EGMS, EGDS has weaker emulsification and thickening effects, but the pearlescent effect is brighter and more lasting. It is often used alone or in combination with EGMS to adapt to high-end pearlescent systems, while EGMS has more comprehensive functions. The two complement each other in terms of pearlescent performance and application scenarios due to their structural differences.

5.Safety & Protection

This product does not require special safety equipment. Please refer to the storage methods of general industrial products. It is recommended to take appropriate protective measures and try to avoid long-term contact with the product. After contact, the eyes or skin should be rinsed with plenty of running water. Store the product in a cool, dry, ventilated place, store in light, and keep the container closed; keep away from fire and heat sources; keep away from strong oxidants and strong reducing agents. Unless otherwise stated, products can be used for 12 months from the date of manufacture under reasonable storage conditions. For other relevant handling and toxicity information, please refer to the SDS of the product.