

EGMS

Pearlescent agent

Glycol Stearate (EGMS) is a flake pearlescent agent that produces a pearlescent effect and is widely used in cosmetics and detergents.

1.Product Composition

Product Name:	Glycol Stearate;Ethylene glycol stearate; Ethylene glycol monostearate
CAS Number:	111-60-4
Molecular Formula:	C ₂₀ H ₄₀ O ₃
Molecular Weight:	328.53

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.4.0
Monoester content (%)	45-65
Saponification value (mg KOH/g)	180-190
Ethylene glycol content (%)	Max.2.0
Melting point (°C)	Min.60

4.Features & Applications

In the field of daily chemicals, Glycol Stearate (EGMS) is commonly used as a pearlescent agent in shampoo, shower gel, skin care products and other products. It can form a flake structure through crystallization, produce a soft pearlescent effect through light reflection, and enhance the visual texture of the product; at the same time, it has both emulsification and thickening effects, can stabilize the system, and improve the consistency and feel of the paste. Its advantages are high safety, strong compatibility, good synergy with other surfactants, high temperature resistance and difficulty in decomposition, which can give the product an elegant appearance and a comfortable use experience. It is a common raw material for daily chemical pearlescent systems.

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.