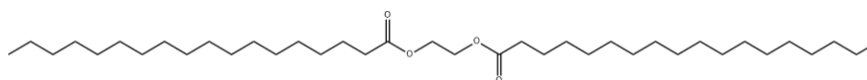


Technical Data Sheet

INCI Name: **Glycol Distearate**

Structure:



Product Properties:

Molecular Formula: C38H74O4
 Molecular Weight : 594.99
 CAS Number : 627-83-8
 EINECS : 211-014-3

Specification:

Items	Specifications
Acid Value (mg KOH/12g sample)	6.0 max
Melt Point	60-63 °C
Iodine Value (g Iodine/100g sample)	1.0 max
Saponification Value (mg KOH/1g sample)	190-199
*Color (Gardner)	2 max

Product Introduction:

Glycol Distearate is a non-ionic pearling agent and emulsifier that forms stable crystalline structures, specifically designed to impart pearlescence, enhance formulation stability, and modulate rheology.

Function:

- ❖ Pearlescent Effect: Generates microcrystalline layers to reflect light for soft shimmer;
- ❖ Emulsion Stabilization: Aids oil-water phase blending for improved emulsion stability;
- ❖ Texture Refinement: Adjusts viscosity and skin feel for smoother application.

Application:

- ❖ Pearlescent Products: Formulate in shampoos, body washes, or creams at 1%-5% concentration (adjust per pearl intensity);
- ❖ Emulsified Systems: Combine with stearic acid or cetyl alcohol in creams/conditioners for stability;
- ❖ Compatibility: Passed skin irritation tests; suitable for body/hair care; avoid high concentrations on facial sensitive areas.

Package:

1kg/foil Bag; 25kg/drum; Or as per customer requirements.

Storage:

Store at room temperature, keep sealed and away from light.

Shelf life:

Two years.

Disclaimer:

The above information is meant to be informative and for general purpose only. Cosmetic Studio accept no liability arising from or in connection with use or reliance of this information or anything contained in it.

Please seek independent professional advice and perform laboratory test if necessary.