

KIMSANOL

Product name: 2,2,4-Trimethyl-1,3-Pentanediol-Monoisobutyrate

Chemical formula and molecular weight

- Chemical formula: $C_{12}H_{24}O_3$
- Molecular weight: 216.3
- CAS No.: 25265-77-4

Properties and application

Colorless, transparent oily liquid,

b.p.	255
freezing point	-50
refractive index	1.4423 (20)

- This product is an ideal water-based coalescent agent, and has preferable film-forming effect to a various kind of emulsion polymer systems and could reduce minimum film forming temperature. It can be applied in situations that are difficult to form films (e.g. high glass transition temperature, low construction environment temperature), and is extremely appropriate for various kinds of water-based coating systems such as emulsions, latex paints and adhesives synthesized from methacrylate, cinnamene and vinyl acetate.
- This product is widely used in emulsions, adhesives and architectural coating.
- This product can be used directly. After appropriate churning, add Alcohol Ester-12 into the film-forming system. It is recommended to add Alcohol Ester-12 after the pigments are dispersed. Usually it takes up around (4-8) % of the emulsion solid content but not exceeding 15%.

Quality standard

Specification		Rectifying Grade
Color (Pt-Co) No.	≤	10
Content (GC), %	≥	99.0
Acidity (calculated by isobutyric acid), % ≤		0.5
Water %	≤	0.1