

## Technical Data Sheet of C-12

Product name: C-12

### I Chemical formula and molecular weight

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

### II Properties and application

- Colorless, transparent oily liquid, b.p.255°C, freezing point -50°C, refractive index 1.4423 (20°C).
- 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 C-12 into the film-forming system. It is recommended to add C-12 after the pigments are dispersed. Usually it takes up around (4-8) % of the emulsion solid content but not exceeding 12%.

### III Quality standard

Specification		First Grade	Super Grade
Color (Pt-Co) No.	≤	15	10
Content (GC), %	≥	98	99.0
Acidity (calculated by isobutyric acid), %	≤	0.5	0.5

### IV Package and storage

- net weight 25 kg/plastic drum、50kg/plastic drum、200 kg/plastic drum、950kg/IBC drum.
- Stored in a dry, cool and ventilated place. Avoid violent collision and rain during handling and shipping.
- Can be stored and transported according to the rules and regulations of non-dangerous goods.