

Technical Data Sheet

RUANTA[®] C-16

(An environmental friendly, multifunctional, high boiling point coalescent)

I. Chemical formula and molecular weight

Product Name: 2, 2, 4-Trimethyl-1, 3-Pentadiol Diisobutyric Ester
Chemical formula: C₁₆H₃₀O₄
Molecular weight: 286.4
CAS No: 6846-50-0

II. Quality standard

Item	Index
Appearance	Colorless transparent liquid
Color (Pt-Co)	≤30
Content, %	≥98.0
Acid value, mgKOH/g	≤0.5
Water content, %	≤0.1

III. Properties and application

1. A high boiling point environmental friendly coalescing agent.
2. Can be added into various kinds of emulsions and adhesives. And it is better than most film-forming coalescent agents in the market. The dosage of C-16 can be reduced properly. And it can be used individually.
3. Can help coatings to get the best film-forming effect. Paints with C-16 in it have unique storage stability, leveling and adhesion. In the meantime, it can enhance the glossiness of film.

IV. Dosage

It can be used directly(C-16 dosage is equivalent to 5%-10% of latex content), add slowly into paint systems with appropriate churning. It can be added before or after emulsions.

V. Package, storage and security

Package:

50kg/plastic drum, 220kg/plastic drum, 220kg/steel drum, 1000kg/IBC

Storage:

Store in dry and ventilated indoor area.

Avoid violent collision and rain during transportation.

Security:

Can be ignited under excessive heat, flame, or oxidizing agent.