

iEMUL CT

INCI Name (US): Cetearyl Alcohol (And) Polysorbate 60

INCI Name (EU): Cetearyl Alcohol (And) Polysorbate 60

CAS #: 8005-44-5 / 67762-27-0 (and) 9005-67-8

**General Information/
Characteristics:**

iEmul CT is a self-emulsifying wax (O/W), different from the traditional self-emulsifying waxes, because the emulsifier is not anionic (sulfated fatty alcohols and soaps), gums or similar.

iEmul CT has a nonionic nature and is an excellent product for manufacturing creams, lotions, and ointments, which should be submitted or not to autoclaving.

iEmul CT withstands a heating of up to 150 °C, for two hours, with only a small change in its color, and losing around 2% of its weight, what causes a slight hardening. Upon heating under pressure for 45 minutes, an emulsion is obtained which pH varies two tenths only. **iEmul CT** is a complete emulsion system for cosmetic or pharmaceutical products, which does not require any other auxiliary emulsifiers, even when the emulsion includes products such as chlorinated naphthalene. Liquid or consistent emulsions can be obtained without adding other waxes, by simply varying the use percentage, which may vary from 3% to 18%. **iEmul CT** is compatible with cationic, anionic, and nonionic systems, in addition to presenting a good stability on acid or alkaline means.

Benefits / Application:

iEmul CT allows simple and cost-effective emulsions to be produced, and is appropriate in systems where the anionic emulsifiers are not indicated, such as for example on emulsions containing:

- Cationic structure therapeutical agents such as: acriflavine, ephedrine and most of antihistaminics.
- Polyvalent metal salts such as: aluminum, zinc, strontium, and lead.
- Antiseptics based on quaternary ammonium or aluminum chlorohydrate complex.

Distributed by Cospatech LLC – 1729 NW 84 AVENUE – 33122 FLORIDA – USA – Phone: +1-305-499-9572 – info@cospatech.com

We have made reasonable efforts to ensure that the information and suggestions regarding the statement of ingredients and conditions for use of our products is technically and scientifically accurate and up to date. We and our suppliers and agents neither commit nor guarantee the relevance, accuracy, presentation or use, or suitability of our products to any specific use. Such information and suggestions shall not be deemed to grant any patent license or any other intellectual property right. We cannot guarantee that the use made of our products, information and suggestions will respect the intellectual property rights of other third parties. Customers shall use our products, information and suggestions at their own risk and we will therefore not accept any liability whatsoever for any such above-mentioned accounts.



Formulations Advices: The emulsions with **iEmul CT** usually do not require any complex manufacturing processes.

The oily phase and the aqueous phase should be heated to 70 – 80 °C, separately. Upon reaching the temperature, the oily phase may be added to the aqueous phase or the aqueous phase may be added to the oily phase, always keeping a good stirring until it is completely cooled.

Regulatory Status: No specific regulation

Physico-Chemical Properties:	Aspect (25°C):	Pellets
	Color:	White to yellowish
	Acid Value:	Max. 2.0
	Melting Point:	50.0 – 55.0
	pH 3% (25°C):	5.5 – 7.0

Shelf Life / Storage Conditions 36 months if stored at room temperature, in a covered and dry area, in the original and closed packing and light protected.

Distributed by Cosphatech LLC – 1729 NW 84 AVENUE – 33122 FLORIDA – USA – Phone: +1-305-499-9572 – info@cosphatech.com

We have made reasonable efforts to ensure that the information and suggestions regarding the statement of ingredients and conditions for use of our products is technically and scientifically accurate and up to date. We and our suppliers and agents neither commit nor guarantee the relevance, accuracy, presentation or use, or suitability of our products to any specific use. Such information and suggestions shall not be deemed to grant any patent license or any other intellectual property right. We cannot guarantee that the use made of our products, information and suggestions will respect the intellectual property rights of other third parties. Customers shall use our products, information and suggestions at their own risk and we will therefore not accept any liability whatsoever for any such above-mentioned accounts.

