

# Vercatech CAPRYLATE

The Natural Antimicrobial ester.



## Description and applications:

Vercatech Caprylate is glyceryl caprylate, an ester of short chain molecule with a relatively big polar group. It is multifunctional and it is suitable for all type of products.

It's structure is able to keep hydration and retain at the same time oil components in the stratum corneum.

For transparent formulations it is needed a solubilizer.

## Natural Antimicrobial activity:

Additionally it has antimicrobial properties, the mechanism of action is what we call "surfactant like" action on microorganisms by destabilizing the membrane of the microorganisms. Additionally it is strongly recommended to combine it with organic acids, where a synergy occurs normally.

Efficacy of Vercatech Caprylate has been tested at pH 4.0 and 7.0 and it is proved to be effective in inhibiting growth of microorganisms.

## INCI:

Glyceryl Caprylate

## Origin:

100% natural sustainable origin with RSPO MB Certificate Palm origin.



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#### Physical properties:

Physical form	Liquid to white solid
Acid value	$\leq 1$ mg KOH/g
Iodine value	$\leq 1$ g I <sub>2</sub> /100g
Color APHA	$\leq 50$
Total monoglycerides	$\geq 92$ %(m/m)

#### Antimicrobial performance

**pH 4-7**

GRAM +	GRAM -	Yeast	Mould
√√	√	√√	√

*Very good √√, Good √, Insufficient -*

#### Dosage:

0,3 - 1 %

#### pH:

4-7

#### Shelf life:

2 years as long as it is kept in closed original containers at recommended temperatures.

#### Storage:

Keep packaging unopened and undamaged. Store at room temperature in a clean and aerated place.

#### Packaging:

Bulk, Drums, IBC

#### Use:

Cosmetic ingredient.

