

## PROCESSING METHOD

Essential Oil obtained by steam distillation from the bud of *Syzygium aromaticum* (L.) Merr. & L.M.Perry  
(Syn : *Eugenia caryophyllus* (Sprengel) Bullock et S. Harrison)

## PHYSICAL PROPERTIES

Odour:	Spicy, typical of eugenol
Appearance:	More and less viscous liquid
Color:	Colorless to orange

## CHEMICAL PROPERTIES

Specific gravity at 20°C	1,042 to 1,065
Refractive index at 20°C	1,528 to 1,538
Optical rotation at 20°C	-2,0 ° to +0,0 °
Flash point	+120 °C
Acid value	N.A.
Peroxide value	N.A.

## MAIN INGREDIENTS

Eugenol (72,00 to 88,00%)  
Eugenyl acetate (4,00 to 22,00%)  
Beta caryophyllene (2,00 to 14,00%)

## TECHNICAL SPECIFICATIONS

NCS, Natural Complex Substance (100% pure and natural)

N° CAS TSCA	8000-34-8
N° CAS EINECS	84961-50-2
N° EINECS	284-638-7
N° FEMA	2323
N° FDA	184.1257
N° CoE	188n
FCC	x
RIFM	x
FMA	-
AFNOR	NF ISO 3142
INCI	EUGENIA CARYOPHYLLUS BUD OIL
Country of harvest	MADAGASCAR



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## HANDLING AND STORING

Follow usual precaution of chemical ingredient handling. Store in a sealed container, in a dry, cool and aired area, protected from the light.

## SPECIAL INDICATIONS

The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (Annex III of Regulation (EC) N°1223/2009 of 30 november 2009 on cosmetic products)

Present allergens:

Eugenol (72,00 to 88,00%), Isoeugenol ( $\leq 1,00\%$ ), Benzyl benzoate ( $\leq 0,20\%$ )

IFRA restrictions:

This substance and/or some of its components are covered by the Code of Practice of the IFRA in effect, available on the internet website [www.ifraorg.org](http://www.ifraorg.org)

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