CARYOPHYLLENE
WOODY, SPICY, EARTHY, DRY

BIOBASED 100%

APPLICATION INFORMATION
Used in spice blends and citrus flavors, especially in chewing gum. Also used in soaps and detergents.

CHEMICAL STRUCTURE
(1R,9S,E)-4,11,11-Trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene

SYNONYM
beta-Caryophyllene

TENACITY ON BLOTTER
00 > 03 00

BLOOM DIFFUSIVITY
POOR FAIR GOOD VERY

TYPICAL USE LEVEL

OCCURRENCE IN NATURE
Found in oils of clove, cinnamon leaves, Copaiba balsam and in minor quantities in lavender and other oils.

TYPICAL PHYSICAL PROPERTIES
- Flash Point °C 116 °C
- [α]D minimum -
- GC 92% min. as Caryophyllene beta and 8% max other sesquiterpenes
- Appearance Colorless to pale yellow liquid
- CAS No. 87-44-5
- M.W. 204.36
- FEMA / GRAS No. 2252
- Food Grade Cert. YES
- CLogP 6.30
- Vapor Pressure 4.160 Pa at 25°C

PROPERTIES
- Hypochlorite bleach •
- Perborate Powder Detergent •
- Liquid Detergent •
- Concentrated Fabric Softeners •
- Soaps •
- Alcoholic fine fragrances •
- Toiletry Applications •
- Antiperspirants •

STABILITY
POOR FAIR GOOD

- Skin •
- Dry Fabric •
- Wet Fabric •
- Hair •

ODOR TYPE - WOODY

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