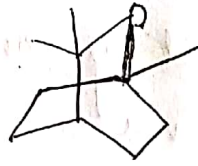


Eucalyptus oil

Eucalyptus oil is an essential oil obtained from the dried leaves of eucalyptus tree. It is also known as Nilgiri-tel.

Eucalyptol is a cyclic ether and a monoterpene.

Source: It is obtained from dried leaves of eucalyptus tree (*Eucalyptus globulus* tree) also called bluegum. Main contributors of this essential oil are China (95%) and Australia (5%).



Chemical Composition:- This is extracted from eucalyptus leaves through steam distillation. Eucalyptus is also known by a variety of synonyms: eucalyptol, eucalyptole, cajeputol, 1,8-cineol, 1,8 cineole, 1,8-exo-p-menthane.

Cosmetic Properties and Uses:-

This oil is a colourless liquid with a strong woody and sweet scent. Eucalyptol has a fresh mint-like smell and a spicy, cooling taste. It is insoluble in water, but miscible with ether, ethanol and chloroform. The boiling point is 176°C and the flash point is 49°C .

Eucalyptus oil has a therapeutic and cosmetic property. It can act as analgesic, antibacterial, anticatarrhal, anti-infectious, anti-inflammatory, antiviral agent, antispasmodic and expectorant.

It is used in many cosmetics and personal care products. These ingredients may be used to formulate many products, make up, mouthwashes, personal cleanliness products, fragrance preparations, skin care products and hair care products.

Jasmone

Source:- Jasmone is an organic compound, which is volatile portion of the oil.

Jasmone is produced by some plants by the metabolism of Jasmonic acid, via a decarboxylation. It can act either as an attractant or a repellent for various insects.

Commercially Jasmone is used primarily in perfumes & Cosmetics.

Chemical Composition

It is a colourless to pale-yellow liquid. Jasmone can exist in two isomeric forms with differing geometry around the pentenyl double bond, cis-jasmone and trans-jasmone. The natural extract contains only the cis form, while the synthetic material is often a mixture of both, with the cis form pre-dominating. Both forms have similar odours and chemical properties.

Cosmetic Properties and Uses:- It has a jasmine-like flavour.

It is used in floral fragrances to give a fruity and minty effect. It is used as an Alcoholic perfume in Anti-perspirant / Deo, Creams and Lotions, Lipsticks, Talcum powder and Toilet Soap.