

Comparison of Eucalyptus Globulus and Eucalyptus Radiata

Botanical Name	Eucalyptus globulus	Eucalyptus radiata
Main Constituents	1,8-cineole (65–85%), α-Pinene, Globulol, Limonene	1,8-cineole (60–75%), α-Terpineol, Limonene
Aroma Profile	Fresh, sharp, medicinal, camphoraceous	Softer, sweeter, more gentle, slightly fruity
Skin Benefits	Clarifying, refreshing, deodorizing, supports blemish-prone skin	Gentler on sensitive skin, brightening, refreshing tonic
Hair Benefits	Invigorates scalp, balances oil, neutralizes odor	Milder for leave-ons, supports scalp health, uplifting aroma
Medicinal Uses	Respiratory support, antimicrobial, muscle relief, oral care	Respiratory support (gentler), immune support, uplifting, topical soothing
Emotional Benefits	Clearing, energizing, focus-promoting	Uplifting, calming, refreshing
Best Suited For	Strong adult applications, rinse-off products, muscle rubs, clarifying shampoo	Gentler daily use, sensitive users, leave-on products, refreshing facial mist, body wash
Safety	Avoid use on/near face of children <10, dilute for topical use, caution in pregnancy/asthma	Same as globulus; softer profile makes it better tolerated in diffusion/leave-ons

Safety Notes for Formulators

- Always **dilute before topical use** (leave-on products: 0.05–0.5%; rinse-offs up to 1%).
- Avoid use on or near the faces of **children under 10** due to cineole content.
- Patch test for sensitive skin.
- Store oils in a cool, dark place to prevent oxidation and sensitization.
- Not for internal use unless directed by a qualified professional.