

Erythrulose

FACT SHEET

Description: Red & sour tart sugar found in ripe, red raspberries & also in other red berrys; for cosmetics erythrulose is produced biotechnologically. Activity: erythrulose reacts with amino groups of keratin in the skin leading to brownish polymers (melanoids) especially with dihydroxyacetone DHA. Clear, yellowish & viscous liquid. CAS# 533-50-6.

INCI Name: D-erythrulose.

Properties: Self-tanning agent producing together with DHA a natural, deep & even tan without stripes (DHA alone may create an orange tone & stripes), it prolongs the tan & leaves the skin less dry, tanning effect appears only in 2-3 days (DHA in 2-6 hours).

Use: Can be added to formulas as is, usual concentration: 1-3 % (if used with 2-4% DHA), 3-5% (if used alone).

Applications: Self-tanning creams & lotions (with DHA), cream foundations & bronzing creams (alone).