

Photo: Adobe Stock/Lars Zahner



CremerOL 1,3-propanediol (1,3-PDO) from CREMER OLEO has a variety of outstanding properties that make it an ideal ingredient in cosmetics: The transparent and almost odorless liquid has a demonstrably high antimicrobial effect without irritating the skin. As a result, many formulations require fewer preservatives. It is a natural moisturizer with better moisturising effect than 1,2-propanediol and 1,3-butanediol. Propanediol mixes well with other cosmetic ingredients and can even enhance their effect. In shampoos, 1,3-propanediol reduces the viscosity. This simplifies application and allows manufacturers to use less sodium chloride (NaCl).

» PORTFOLIO

- **CremerOL**
1,3-propanediol | 1,3-PDO | propane-1,3-diol
Non GMO | gluten-free
INCI: Propanediol
CAS No. 504-63-2
REACH registered

» PRODUCT FEATURES

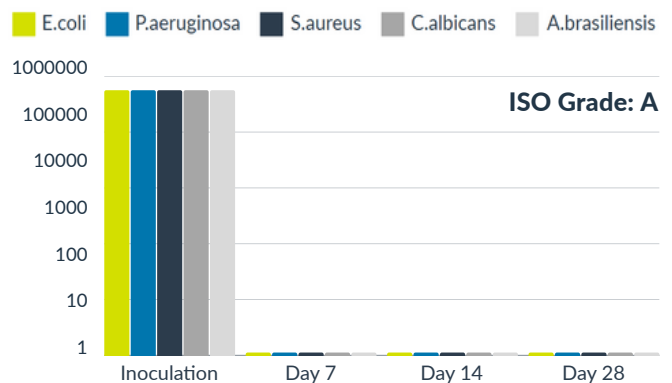
- Antibacterial effect
- Moisturizer
- Excellent skin sensation / non-irritating
- Viscosity booster
- Patented manufacturing process (nearly 90% CO₂ saving)

» REDUCED CO₂ EMISSIONS THANKS TO INNOVATIVE, PATENTED PROCESS

CremerOL 1,3-propanediol from CREMER OLEO is produced from 100% biomass in an innovative, technically advanced process developed with scientists at the University of Hamburg. The unique fermentation process using *Clostridium pasterianum* C8 saves energy and reduces CO₂ emissions in production by nearly 90%.

» ANTIBACTERIAL EFFECT

Serum with 0.8% phenethyl alcohol
+ 5% CremerOL at pH 6.5



» CREMER OLEO STANDARDS

VARIETIES

100% derived natural ingredients
(acc. to ISO 16128), COSMOS approved

FORM

Liquid

PACKAGING

Steel/HDPE Drums (200 kg),
IBC Tank (1 ton)

CERTIFICATIONS

RSPO/MB

Further variants on request.