

METHYLPROPANEDIOL

INCI **Methylpropanediol**
 CAS **2163-42-0**

SPECIFICATIONS

Appearance Clear colorless liquid
 Assay (%) 99,0 % min
 Color (APHA) 20 max

GENERAL INFORMATION

Methylpropanediol is a clear, colorless liquid which has little or no odor and is soluble in water with a soft, non-tacky feeling. It is a good replacement for other glycols such as butylene glycol or propylene glycol.

As an organic glycol is it used in skin care cosmetics as a solvent and allows other ingredients to be distributed evenly on the skin.

In addition Methylpropanediol has hydration properties necessary for healthy skin as moisture retention decreases due to aging. Methylpropanediol also has antimicrobial benefits and helps to boost the preservative action of other preservatives that are used in the cosmetic product. The use of preservatives is necessary in cosmetic products to prevent the growth of bacteria, molds and yeast. This allows a safe usage for the customer and improves the longevity of the product.

APPLICATIONS

Cosmetics

- Skin care
- Hair care
- Make-up
- Antiperspirant
- Toiletries

Pharmaceuticals

Natural extracts

BENEFITS

- Easy to handle
- Efficacy antimicrobial agent and preservative booster
- Provides maximum security to the customer
- Long lasting effect as an efficient skin moisturizer

EFFICACY

The pure product shows an antibacterial activity as reported in the chart below

Bacteria	E.coli	A.niger	C.albicans	S.aureus	P.aeruginosa
MIC (%)	20	10	20	10	10

REGULATORY

ECOCERT/COSMOS
 NATRUE

Allowed
 Allowed

PACKAGING & SHELF LIFE

Available packaging
 200kg drums / 1000 kg IBC

Shelf life
 12 months under proper storage