

Hexanediol CG

Specification Sheet

Description: Blend of 1,2-hexanediol and 1,2-octanediol (caprylyl glycol). Stable at high and low pH values, and at high temperatures >100°C. Clear, colorless liquid, with mild characteristic odor. Water soluble.

CAS: 6920-22-5, 1117-86-8

INCI Name: 1,2-hexanediol, caprylyl glycol

Benefits:

- Good moisturizer with anti-microbial properties
- Improves vividness of color in lipsticks and other color cosmetics
- Acts as a lubricant that may help reduce tackiness of polymers
- Compatible with most cosmetic systems including anionic, cationic, non-ionic, amphoteric systems.
- Has been shown to provide better protection for the skin barrier
- Excellent safety and toxicological profile (free of epoxides and peroxides)

Use: Typical use level 0.5 - 1.5%. When making emulsions, add directly to the water phase. For O/W emulsions can also be added at post-emulsification stage. For aqueous formulations (gels or serums) use minimum dose of solubilizers as needed. For external use only.

Applications: Hair and skin cosmetics, bath products.

Country of Origin: USA

Raw material source: 1-hexene and hydrogen peroxide; alkylene oxide.

Manufacture: 1,2-hexanediol is produced by oxidizing the double bond of 1-hexene using hydrogen peroxide as an oxidizing agent. Caprylyl glycol is synthesized via catalytic oxidation of the corresponding alkylene oxide.

Animal Testing: Not animal tested

GMO: GMO-free

Vegan: Yes