



Elix-CARE HD

INCI 1,2-Hexanediol
CAS 6920-22-5

SPECIFICATIONS

Appearance Clear colorless liquid
Odor Characteristic odor to odor free
Assay (%) 99.5 min.
Water (%) 0.3 max.

GENERAL INFORMATION

Elix-CARE HD, 1,2-Hexanediol, is a multifunctional cosmetic ingredient and fully effective in most cosmetic formulations like toners, gels, creams, lotions, wipes (including facial masks) as well as in rinse-off products like shampoos, bodywashes, etc. Additionally, it is a non-irritating ingredient and can be used safely for all kinds of skin types.

Elix-CARE HD is used in personal care and cosmetic products as a solvent, a humectant, a viscosity decreasing agent and as an active with antimicrobial properties. As a solvent, it can help to dissolve other ingredients and improve the spread ability of products. As a humectant, it can help to moisturize the skin by attracting and retaining moisture from the air. As a viscosity decreasing agent, it can help to thin out products and improve their flow. As an active with antimicrobial properties, it will support the efficacy of different preservative ingredients.

EFFICACY

Elix-CARE HD, 1,2-Hexanediol, is a multifunctional ingredient with good antimicrobial properties. It is a strong booster for many different preservative actives like Elix-KON PHE (Phenoxyethanol) and Elix-KON BZA (Benzyl alcohol) causing a broad-spectrum efficacy against bacteria, yeast and molds. The use of Elix-CARE HD (1,2-Hexanediol) can significantly reduce the concentration of preservatives needed in the final formulation.

APPLICATIONS

Fragrances
Pharmaceuticals
Plant extracts

Cosmetics

- Skin care
- Hair care
- Oral care
- Sun care
- Toiletries
- Wet wipes (including facial masks)
- Baby care
- Make up

BENEFITS

- Excellent booster for different preservative active ingredients
- Improves moisturizing efficiency
- Non skin sensitizer or irritating different skin types
- Excellent sensory profile

FORMULATION & RECOMMENDATIONS

Elix-CARE HD is a versatile solvent that can also boost or aid the preservation of cosmetic formulations. It creates a biostatic environment that could prevent the growth of microorganisms. It is a multifunctional ingredient: moisturizer and solvent which can be used in cosmetic emulsion systems such as skin care creams and lotions or in surfactant-based products such as shower gels, facial cleansers, and shampoos.

Recommended use concentration 0.5 % - 3.0 %
Solubility Completely soluble in water
Temperature stability Up to 100°C
pH stability Up to pH of 12

SHELF LIFE

Under proper storage conditions the shelf life is 36 months