



SARCHEM LABORATORIES, INC.

Custom Synthesis - A Specialty

1, 2-Hexanediol- SUPRA

Chemical Synonym:	Alpha-Hexalene Glycol, 1,2 Dihydroxy Hexane
Sarchem Reference Number:	S2129
CAS:	6920-22-5
EINECS:	230-024-6
Formula:	C6H14O2
Molecular Weight:	118.17
Appearance:	Clear, Colorless, Odorless, Viscous Liquid
Boiling range:	110-117 C @1mmHG
Flash Point	> 230 F
Density at 20C:	0.950 kg/L
Refractive Index:	1.4429
Assay by GC:	99.50%
Storage:	Cool, dry, away from light, in closed containers. Recommended limit, 3 years.



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Our instincts want us to appear attractive to others and it is no surprise that skin care plays a significant part in achieving this. Taking care of our skin, however, is not simple. A number of factors are in play; exposure to sun, Ultraviolet rays, oxidation, loss of moisture, attack by pathogens and parasols are all dangers to clear, healthy skin. Our skin is thus more vulnerable to premature aging, roughness and discoloration. Both natural and synthetic chemicals are added to skin care products to slow down the process of aging, to inhibit the oxidation or to dampen the other risks our skin may experience.

1, 2-Hexanediol SUPRA is such a molecule that has several properties encompassed into one. It is an excellent emulsifier due to its polar hydrophilic structured unit in one end and a nonpolar lipophilic structural unit at the other end in the molecular pattern.

Due to its glycolic moiety, it acts like Glycerol, but unlike Glycerol, retains the moisture and thus acts as an excellent humectant. 1, 2-Hexanediol SUPRA ® is double distilled and specifically treated for its character, stability and hypo-allergenic nature. It is used in lotions, creams, deodorant and solubilizer in cosmetic preparations.

Recently, due to the microbial activity of 1,2-Hexanediol it has found a new application as an antimicrobial compound thus eliminating or lessening the use of parabens or phenoxy alcohols.

1,2-Hexanediol SUPRA ® is a registered trademark of Sarchem Laboratories, Inc.