

# Technical Data Sheet

## Sundiol 68HXA

1,2-Hexanediol (and) Caprylyl Glycol (and) Caprylhydroxamic Acid  
CAS# 6920-22-5 (and) 1117-86-8 (and) 7377-03-9

### Description

Sundiol 68HXA is used as a moisturizer and anti-bacterial agent. Unlike long-chain alkanediols, it does not affect the stability of the emulsion, and is compatible with most cosmetic systems such as anionic, nonionic, amphoteric and liposomes. Sundiol 68HXA is a product with enhanced moisturizing effect by adding special ingredients.

Sundiol 68HXA helps to reduce or eliminate preservatives like parabens, formaldehyde-donors or phenoxyethanol. Sundiol 68HXA is used in skin care and various cosmetic formulations.

### Specifications

Item	Specification
Appearance	Clear and yellowish liquid
Moisture (%)	≤ 0.5
Refractive density (D20/4)	0.935 ~ 0.945
Refractive index (n20/D)	1.440 ~ 1.450

### Anti-Microbial Activity

#### Minimum inhibitory concentrations (MIC) / Agar dilution method

Escherichia coli (EC)	ATCC 8739	0.25%
Pseudomonas aeruginosa (PA)	ATCC 9027	0.25%
Aspergillus fumigatus (AF)	ATCC 90906	0.125%
Candida albicans (CA)	ATCC 10231	0.25%

### Applications

It can be applied to various cosmetic products such as skin care-cream, lotion, serum, sensitive skin care lines, hair care, sun care, after sun cream color care, body care, etc.

### Storage

Stored in tightly closed containers at room temperatures below 30°C in a dry place.

Characteristics of the product are reversibly changed when falling below -10°C or exceeding 40°C.

**Shelf Life** 2 years