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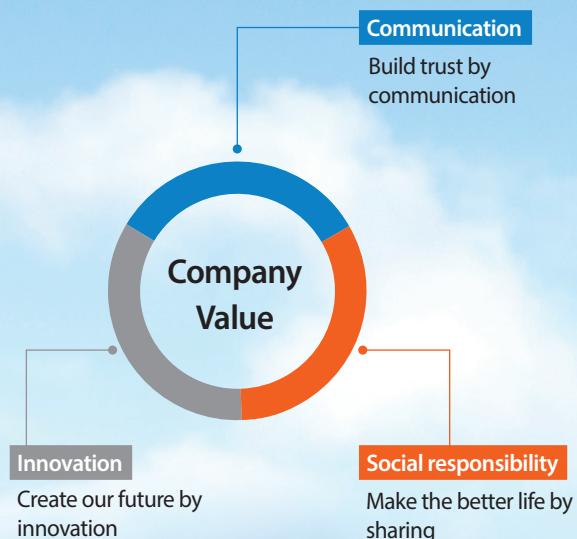


(주)태경코엠  
**TAEKYUNG COEM**  
Cosmetic Eco Material

# GLOBAL TOP-TIER MATERIAL COMPANY

## TAEKYUNG GROUP

### THE INNOVATIVE MATERIAL FOR THE WORLD



## ABOUT COMPANY

TAEKYUNG COEM is a company that researches, develops, and produces high-value cosmetic additives as well as a wide range of fine chemical products. We have supplied our deodorization technology-based cosmetic ingredients to customers.

Expanding our position as the leading innovator in the cosmetic chemicals industry since June 2007, TAEKYUNG COEM has been developing our own deodorizing technology, which is the key process in making high quality odorless 1,2-Hexanediol.

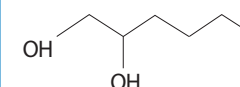


## COEMDIOL-6

### Product Info.

Chemical Name/ INCI	1,2-Hexanediol
CAS No.	6920-22-5
EINECS No.	230-029-6
Chemical Formula	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>
Mol. Weight	118.17 g/mol

### Chemical Structure



### Specification

Characteristics	Odorless & Clear Liquid
Purity(by GC)	≥99.5
Moisture(by Karl-fischer)	<0.5
Refractive Index(n20/D)	1.437-1.443
Specific Gravity(20/4°C)	0.946-0.956

## WHAT IS COEMDIOL-6?

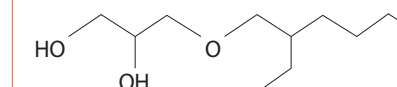
- ▶ **Description:** Clear, colorless liquid with mild characteristic odor
- ▶ **Physical properties:** Water-soluble, Oil-soluble
- ▶ **Biological properties**
  - 1) Good moisturizer with a broad spectrum of anti-microbial activity
  - 2) Stable over a broad range of pH and high temperature
  - 3) Excellent safety & Toxicological profile (EWG 1)
  - 4) Providing better protection for skin barrier function
- ▶ **Other Benefits**
  - 1) Compatible with various cosmetic formulations
  - 2) Acts as a lubricant to reduce tackiness of polymers
- ▶ **Application:** Skin care, Make-up & Personal care products
- ▶ **Recommended dosage:** 2.0% - 2.5%

## COEMDIOL-11

### Product Info.

Chemical Name/ INCI	Ethylhexylglycerin
CAS No.	70445-33-9
EINECS No.	408-080-2
Chemical Formula	C <sub>11</sub> H <sub>24</sub> O <sub>3</sub>
Mol. Weight	204.31 g/mol

### Chemical Structure



### Specification

Characteristics	Odorless & Clear Liquid
Purity(by GC)	≥99.0
Moisture(by Karl-fischer)	<0.3
Refractive Index(n20/D)	1.450-1.455
Density(at 20°C gm/cm <sup>3</sup> )	0.940-0.960
Color(APHA)	<5

## WHAT IS COEMDIOL-11?

- ▶ **Description:** Clear, colorless and odorless liquid
- ▶ **Physical properties:** Polyol-soluble
- ▶ **Biological properties**
  - 1) Preservative Booster: Enhances anti-microbial activity, resulting in reduction of other preservatives
  - 2) Stabilizer, tocopherol-free products
  - 3) Excellent safety & Toxicological profile (EWG 1)
- ▶ **Recommended combination for stable preservability**  
Alcohols and Glycols  
E.g.) 1,2-Hexanediol, 1,2-Octanediol, Phenoxyethanol etc.
- ▶ **Other Benefits**
  - 1) Skin Conditioning: Has emollient and humectant properties
  - 2) Deodorizing Efficacy: Inhibits the growth of odor-causing bacteria
- ▶ **Application:** Skin care, Make-up & Personal care products
- ▶ **Recommended dosage:** 0.05% - 1.0%