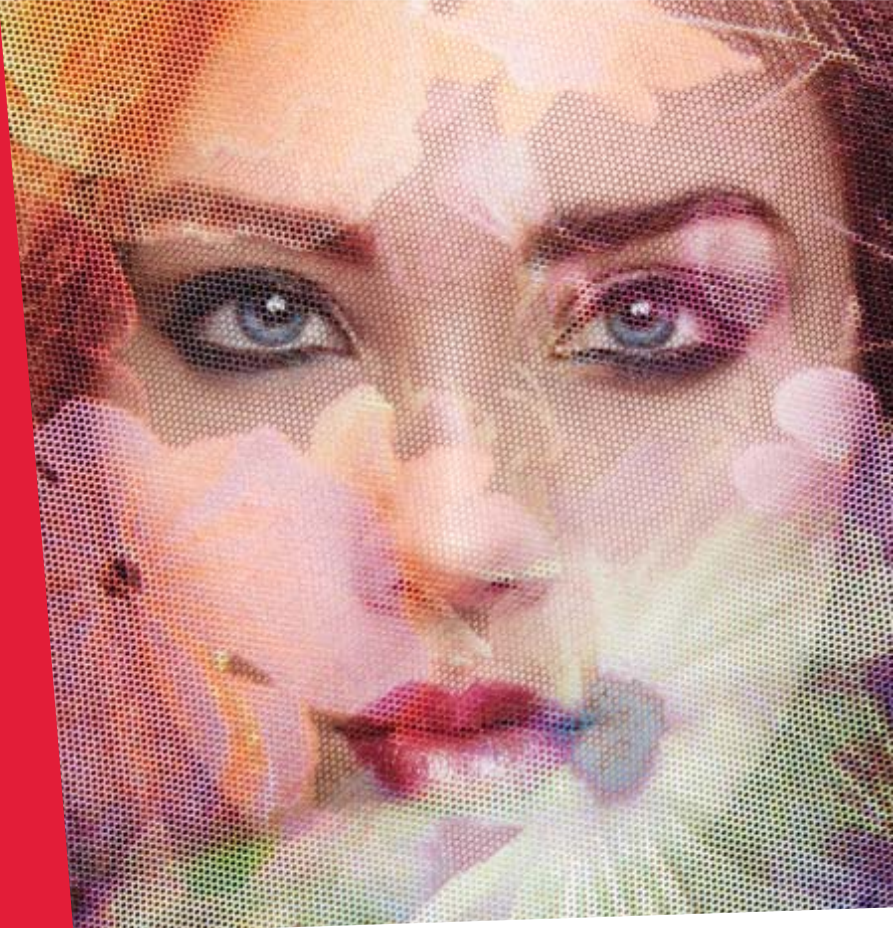


# KLAREL

Fineness & High Purity for Beauty

We supply a variety of ingredients for cosmetic applications such as skin care, hair care, nail care, sun screen and color cosmetics.

We supply high quality products at competitive prices.



## Multi-Functional

### KLAREL PD-S

KLAREL PD-S is a high purity of 1,2-Pentanediol that acts as an excellent moisturizing agent and is also secondarily used as a solvent and preservative. It has both water and oil-solubility, also can have moisture-binding and antimicrobial properties.

**INCI Name** Pentylene Glycol **CAS no.** 5343-92-0

**Color** Colorless **Odor** Odorless

**Molecular Formula**  $C_5H_{12}O_2$

### KLAREL OD

KLAREL OD is 1,2-Octanediol that also known as caprylyl glycol. It is a multi-functional moisturizing agent and also have antimicrobial (preservation) ability. It is common component of many creams and ointments, where it is used as a skin conditioning agent.

**INCI Name** Caprylyl Glycol **CAS no.** 1117-86-8

**Color** Colorless **Odor** Characteristic

**Molecular Formula**  $C_8H_{18}O_2$

### KLAREL HD-S

KLAREL HD-S is a high purity of 1,2-Hexanediol which is classified as solvent. It is both water and oil-soluble and has excellent moisture-binding, antimicrobial properties. It has additional functions like anti-oxidation and anti-inflammatory. It is used in various type of applications like baby goods, bath ware, make-up, cleanser, skin care and hair care etc.

**INCI Name** 1,2-Hexanediol **CAS no.** 6920-22-5

**Color** Colorless **Odor** Odorless **Molecular Formula**  $C_6H_{14}O_2$

### KLAREL EHG

KLAREL EHG is Ethylhexylglycerin (octoxyglycerin) that is used as a skin conditioning agent, deodorizing agent and often indicated as a conditioning ointment. It is water soluble and can be used as a preservative when mixed with certain chemicals. It helps to keep the various natural ingredients in beauty products from spoiling. It also helps to reduce the surface tension between the various liquids and oils in cosmetics.

**INCI Name** Ethylhexylglycerin **CAS no.** 70445-33-9

**Color** Colorless **Odor** Low odor **Molecular Formula**  $C_{11}H_{24}O_3$

## UV Filter

### KLAREL Solanti-S

KLAREL Solanti-S(BEMT) is a broad spectrum UV absorber. Very small concentrations are required to achieve a high SPF value. KLAREL Solanti-S is very soluble in cosmetic oils. As the KLAREL Solanti-S is miscible with many cosmetic oils, it can readily be incorporated in the oily phase of emulsions. Because of its hydrophobic nature and its solubility in oil, it is particularly suitable for water-repellent and water-resistant formulations. To improve the dissolution rate, heat the oil phase up to 70-80°C and add slowly it under fast agitation. KLAREL Solanti-S can be used in combination with other Organic and Inorganic UV filters.

#### IUPAC Name

2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]phenol]

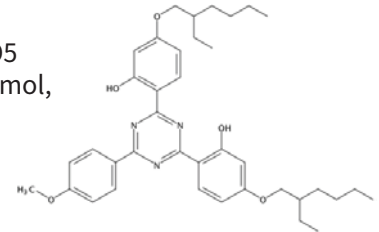
CAS no. 187393-00-6

#### Formula

C<sub>38</sub>H<sub>49</sub>N<sub>3</sub>O<sub>5</sub>

MW 627.8g/mol,

Oil soluble



## Rheology Modifier

### KLAREL RF-1 / KLAREL RF-V

KLAREL RF-1, KLAREL RF-V are an excellent rheology modifier. It provides good suspending and stabilizing properties in a variety of surfactant-based cleansing products, even low viscosity formulations. It is specifically designed to thicken, suspend and stabilize all types of insoluble or soluble particles, beads, petals and oil. It produces highly transparent formulas with elegant smooth flow so it is suitable for cleansing products.

INCI Name Acrylate Copolymer

CAS no. 25212-88-8

Color White Emulsion

Odor Characteristic

## Emulsifier

### KLAREL SF-65 / KLAREL SF-80 / KLAREL SF-85

KLAREL SF is mild, biodegradable and high foaming anionic surfactants. It can be easily rinsed away and provide gentle cleansing and soft skin feel.

INCI Name Sodium Cocoyl Isethionate

CAS no. 61789-32-0

Color White waxy flake

Odor Mild