

Technical Data Sheet

ZLEY®BIOCARE - ZPG

Basic Information:

- INCI: PENTYLENE GLYCOL
- CAS: 5343-92-0
- Main component: Pentane-1,2-diol
- Suggested usage amount: 0.5-21.29%
- Recommended usage: Soluble in water and ethanol.

Product Description:

As an alkanol, it has high compatibility with most raw materials in personal care products. 1,2-Pentanediol is an excellent humectant with an antibacterial effect. It has a synergistic effect with traditional preservatives and helps to reduce the usage of classic preservatives in the formulation. In sunscreen products, it improves water resistance and solubility of ingredients. 1,2-Pentanediol is more stable and has a better appearance than the formula. It also reduces the viscosity caused by adding polymer to the formulation.

Technical Indicators:

Inspection items	Technical index
Appearance	Colorless and Clear liquid
Refractive	1.434~1.444
Relative Density	0.970~0.974
Purity (GC)	NLT 99.0%

Product Usage:

PENTYLENE GLYCOL is a moisturizer with excellent performance and an anti-corrosion effect. It can prepare with preservative-free products to reduce allergies caused by using preservatives. It can also improve the water-resistance of sunscreen product formulation; to dissolve the active ingredients that are difficult to soluble. It can be widely used in skin creams, eye creams, skin lotions, baby care products, sunscreen products, and other skin care products.

Packaging and Storage:

- Packaging: Closed packing with thickened double PE bags inside, and packed with carton barrel outside.25KGS/Carton barrel
- Storage: Please store in a cool, dry and well-ventilated warehouse. Keep away from fire and heat source. The humidity in the storehouse should be no more than 85%. The package must be sealed and protected from moisture. It should be stored separately from inflammable materials and acids, and mixed storage should not be avoided. The storage area shall be equipped with suitable materials to hold the leakage. Check whether all labels are clear and leaky in real time. Shelf life is two years.

Disposal:

Although this product has almost no pollution to the environment, it is best not to discard it together with domestic garbage. Please contact the local environmental protection department for dealing with the product and container and dispose according to the common chemical treatment method. Do not pour large quantities of products into the groundwater system.

Transport Conditions:

Check whether the packaging container is complete and sealed, and keep it away from power supply, fire source and other parts during transportation. This product does not belong to hazardous goods or mixtures and can be transported according as general cargo.