

## Technical Data Sheet

### ZLEY®BIOCARE - ZPE

#### Basic Information:

- INCI: Phenoxyethanol
- CAS: 122-99-6
- Main component: PHENOXYETHYL ALCOHOL
- Suggested usage amount: 0.1 - 1.0%.
- Recommended usage way: Soluble in water, soluble in alcohol, ether, and sodium hydroxide aqueous solution. It has a slightly aromatic smell. It is stable below 80°C, and effective at PH 3-10, can be formulated with anion, cationic surfactants, in high ethoxy compounds, will be inactivated in ethoxy compounds. Easy to be added into all kinds of formulations, the viscosity of the products will be affected greatly because of its certain emulsification.

#### Product Description:

Phenoxyethanol is a kind of glycol ether, formed by ethanol combined with phenolic groups, it is commonly used as a preservative in cosmetics, can be found in cosmetic creams and lotions. Moreover, phenoxyethanol does not achieve its antiseptic effect with antioxidant effect, but with its antimicrobial activity, which can inhibit or even eliminate massive doses of Gram-positive and negative microorganisms. It also has a significant inhibitory effect on a variety of common bacteria, such as Escherichia coli, E.coli and Staphylococcus aureus. E.coli and Staphylococcus aureus.

#### Technical Indicators:

Inspection items	Technical index
Appearance	Clear liquid
Refractive	1.5370~1.5390
Water contents (KF)	NMT 0.20%
pH Value	5.5-7.0
Color APHA	NMT 30
Phenol content	NMT 5ppm
Purity (GC)	NLT 99.0%
Relative Density	1.105~1.110

#### Product Usage:

It is mainly used as preservatives and antibacterial agent in cosmetics and skin care

### Packaging and Storage:

- Packaging: Closed packing with thickened double PE bags inside, and packed with carton barrel outside. 25 kg/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.