

CAUTIONS IN USE

This caution is applicable to the series of biosurfactants produced by our company's biological fermentation process.

1. Beware of bacteria in the environment

Liquid products are sterilized before they leave the factory. Please try to use them all once the package is opened. If it is not used up, it should be sealed immediately and stored in a cool, dry and ventilated warehouse. If necessary, it can be refrigerated (do not freeze). Products that have been opened, packaged, or improperly stored will have a shorter shelf life due to bacteria growing inside.

Powdered products need to be protected from moisture. After absorbing moisture, it will form agglomerate, growing bacteria and deterioration. Please seal it after use.

2. pH condition

This product is produced by biological fermentation technology, and it may decompose under extreme conditions for a long time. Please avoid the following situations during use and storage:

Compound strong acid, or $\text{pH} < 3$ conditions.

Compound strong alkali, or $\text{pH} > 10$ conditions.

Especially inorganic acids and bases.

Do not store it in the same warehouse as strong acids and alkalis.

3. Operating temperature

This product can maintain stable structure and performance at 150°C . It will freeze below 0°C , and it can be used normally after thawing. It is recommended that the best use temperature is between $10\text{--}80^{\circ}\text{C}$.

4. Impurity precipitation

In the series of products, the unpurified models will have a small amount of fermentation by-products or biological metabolic components remaining. If they are stimulated by certain conditions (such as strong light, long or alternating high and low temperatures, changes in pH, etc.), these components and

products may precipitate. The physical properties of the precipitate are relatively stable and will not affect the performance of the product, and the product can be used. If necessary, it can be filtered out.

5. Anti-corrosion treatment

If anticorrosion treatment is required in the formula system of using this product, or your industry has requirements for hygiene indicators. Preservatives can be added during the use of this product or sterilization methods such as high temperature and radiation can be used. However, before using this product, it is recommended to conduct a separate anticorrosion test on this product and observe at least 24 hours. After confirming that there are no adverse effects, the anti-corrosion plan can be applied.

For specific details, please contact our company for consultation and discussion. Welcome to feedback to our company the abnormal situation in the process of using our company's products to help us improve product quality and service.

Shaanxi Deguan Biotechnology Co., Ltd.

