

Technical Specification Data Sheet

Lithium Methoxide

Product Name : Lithium Methoxide **CAS No.:** 865-34-9

Formula: CH₃OLi **Molecular Weight:** 37.97

2405 Version

一、 Performance & Application

This product is a methanol solution of lithium methoxide. It is mainly used as a condensing agent and a strong base catalyst for transesterification reaction of organic synthesis, and a methoxylation agent for the preparation of vitamins and sulfamethidine drugs. A small amount is used in pesticide production. It can also be used as a catalyst for edible fatty oils.

二、 Technical Data

Items	Spec
Appearance	Clear liquid
Free Alkali	<0. 1%
Impurity	<0. 1%
Methanol Content	89-90%
Lithium Methanol Content	9. 9-10. 1%

三、 Usage

As lithium methanol is not easy to preserve, this product is a colorless and transparent solution of methanol containing 10%, which is volatile and flammable. It is easy to absorb water and decompose from the air to produce lithium hydroxide, which makes the solution cloudy, reacts violently in water, and has toxicity. Protective measures should be taken after opening the lid, and the lid of the barrel should be sealed and stored after use.

四、 Packing & Storage

This product is packed in composite plastic drum, net weight 175kg per barrel, beware of moisture, high temperature and sunlight, storage period of 12 months.