

Technical Data Sheet 产品资料单

Magnesium peroxide

Product Introduction

Magnesium peroxide (MgO_2) is an odourless and tasteless, white or light yellow powder, that is practically insoluble in water, readily soluble in acid. Magnesium peroxide with a very high stability is not easy to decompose at room temperature while it starts to decompose at 350 °C. In the humid air or water solution, it can slowly release oxygen for a long time. Magnesium peroxide has strong bleaching, sterilization or disinfection effect, which is also environmentally friendly.

Basic Information

Name: Magnesium peroxide

CAS: 1335-26-8

Molecular Formula: MgO_2

Molecular Weight: 56.3

Technical Information

Test items	Specification
Appearance	White or yellowish fine powder
Assay MgO_2 , %	≥ 35
Moisture, %	≤ 6.5
Ferric, %	≤ 0.05
pH (1% suspension)	9.5-11.5
*Heavy Metals, %	≤ 0.002
*Bulk Density, g/L	400-800

Product Usage

Magnesium peroxide, a multifunctional inorganic peroxide, is widely used in industries. Compared with calcium peroxide, sodium percarbonate and other inorganic peroxides, magnesium peroxide with high releasing oxygen for long time, is very suitable for improvement of soil quality and ground water. In agriculture, magnesium peroxide can provide oxygen for plant roots and rice seed coated and improve soil quality. Additionally, magnesium peroxide can be used as oxygen fertilizer and bio compound fertilizer. In aquaculture, as oxygen releasing agent, magnesium peroxide can adjust the water pH, improve water quality and eradicate pathogens. Additionally, magnesium peroxide is also used as tooth bleach agent, hair dyeing agent, etc.

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Packaging: 25Kg PP-PE Bag.

Transportation:

UN number: UN1476.

UN proper shipping name: MAGNESIUM PEROXIDE..

Transport hazard class (es): 5.1.

Packaging group: PGII..

Storage: Keep in a cool, dry, well-ventilated place. Keep tightly closed until used.

Store away from incompatible substance. Keep away from fire and heat source. Seal packaging. Pay attention to moisture and rain. Stored separately with reducing agents, acids, easy (can be) burning materials.