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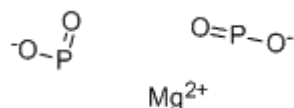
## Technical Data Sheet

### Magnesium Hypophosphite Hexahydrate

#### Product Information

Chemical Name Magnesium Hypophosphite Hexahydrate

Chemical Structure



CAS # 10377-57-8

EINECS 233-824-6

Synonyms magnesium phosphinate; Phosphinic acid, magnesium salt

#### Description

Magnesium Hypophosphite Hexahydrate, White crystal, there are fluorescent. Show neutral or weak acid soluble in water, its aqueous solution, insoluble in ethanol and ether. Relative density 1.59 (12.5/4 °C). Easy weathering in dry air, and 100 °C when lose 5 molecular crystal water. At 180 °C anhydride, continue to heat, the decomposition released flammable and poisonous phosphine gas. It can be used in medicine, also can be used as analytical reagent.

#### Physical Properties

Appearance White crystal

Assay 98%Min

Water solubility Soluble

M.W. 154.28

#### Specification

Appearance	White crystal
Assay	98%Min

Arsen	4 ppm Max
Lead	1 ppm Max
Insolubility	0.5%Max
PH(20°C)	4-6

### **Applications**

1) In pharmaceutical grade: Magnesium Hypophosphite Hexahydrate can be used for manufacturing drugs

for the treatment of rheumatoid arthritis

2) In industry grade: Magnesium Hypophosphite Hexahydrate is used for plastic stabilizer

3) In agricultural grade: It can be used as a fertilizer additive and alkaline soil conditioner.

### **Packing**

25kg/fiber drum

### **Storage & Handling**

1)Precautions:

Wear appropriate protective clothing and compatible chemical – resistant gloves.

Avoid contact with eyes, skin. Avoid inhalation.

Keep away from ignition source, heat and flame. Incompatibilities: strong oxidizing agents and foods. No smoking at working site.

2)Storage:

Store in a cool, dry, ventilated area.

Keep away from ignition source, heat and flame.

Store in a tightly closed container, protective from moisture. Incompatibilities: strong oxidizing agents and foods.