



HIGH PERFORMANCE  
LIQUID MAGNESIUM  
WITH THIOSULFATE SULFUR





Tessenderlo Kerley International brings a unique range of high performance liquid, solid and soluble fertilizers for more precise plant nutrition to optimize crop yield and quality sustainably.

**MagThio® is a clear, neutral to slightly acidic, chloride free solution containing 4% magnesium and 10% thiosulfate sulfur that can be applied straight, as a foliar treatment, or blended with other fertilizers.**

- Delivers magnesium, the central constituent of the chlorophyll, in a chloride and nitrate free form
- Promotes the absorption and movement of phosphorus in the plant
- Aids in protein and carbohydrate synthesis
- Participates in the activation of enzymes necessary for good plant development
- Fully compatible with irrigation systems and does not plug the drip lines

## BENEFITS

### Soil balance

- Can be used as a soil amendment

### Crop quality

- Maximizes green coloration of the plant
- Improves the filling of fruits and grains
- Improves root growth helping the plant to have a better foliage development

### Active thiosulfate benefits

- Increases chlorophyll content
- Assists the synthesis and functioning of enzymes and vitamins in the plant
- Optimizes fertilizer efficiency
- Improves availability of nutrients in the soil, particularly phosphorus and micronutrients

### Nutrient uptake

- Enhances nutrient uptake and iron utilization
- It helps phosphorus move in the plant
- Acts as an enzyme activator, propelling the photosynthesis process

### Liquid fertilizer benefits

- Easy to handle and safe to use
- Cost effective and environmentally friendly
- Fully compatible with irrigation systems and sprayers
- Does not plug drip lines or spray nozzles

## SPECIFICATIONS

- Mg (w/w)	4%
- S (w/w)	10%

## TYPICAL PROPERTIES

- Appearance/color	Colorless
- pH range	6.5 - 8.5
- Density (at 25°C)	1.25 kg/l
- Salt Out Temperature (SOT)	< 0°C
- MgO (w/w)	6.6%
- SO <sub>3</sub> (w/w)	25%
- Mg (w/v)	5%
- S (w/v)	12.5%
- MgO (w/v)	8.3%
- SO <sub>3</sub> (w/v)	31.2%
- Mg (g/l)	50
- S (g/l)	125
- MgO (g/l)	83
- SO <sub>3</sub> (g/l)	312
- Chemical formula	MgS <sub>2</sub> O <sub>3</sub>

## CONTACT INFORMATION

**Our experts are familiar with your region and crops.**

**Their support includes:**

- Agronomic advice
- Providing technical information
- Carrying out field studies that are specific to your issues
- Providing application and storage tips

**For more contact information, please get in touch with:**

Tessenderlo Kerley International, part of Tessenderlo Group  
 Troonstraat 130 Rue du Trône - 1050 Brussels, Belgium  
 Tel. +32 2 639 18 11  
[tessenderlokerley@tessenderlo.com](mailto:tessenderlokerley@tessenderlo.com)  
[www.tessenderlokerley.com](http://www.tessenderlokerley.com)