

# Mg

# ChelStar

## 5.5% Magnesium Chelate



### Fully Chelated Micronutrient for Plant Nutrition

#### ChelStar 5.5% Magnesium Chelate 6-0-0

##### GUARANTEED ANALYSIS

Total Nitrogen (N).....6.0%

6.0% Water-Soluble Nitrogen

Magnesium (Mg).....5.5%

5.5% Chelated Magnesium

Derived from magnesium disodium ethylenediaminetetraacetate (MgNa<sub>2</sub>EDTA).

**Precautionary Statements:** This product is not classified as a hazardous substance based on currently available data. However, observe good industrial hygiene practices. Wash hands after handling.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children. Store away from incompatible materials. Dispose of contents/container in accordance with local authority regulations.

##### GENERAL INFORMATION:

*ChelStar 5.5% Magnesium Chelate* is a fully chelated, water-soluble, powdered form of magnesium EDTA useful for prevention and correction of magnesium deficiency in crops. Soil application is the preferred application method to prevent magnesium deficiency. Foliar application, however, will provide correction when a soil application is impractical.

##### SOIL APPLICATION DIRECTIONS:

*ChelStar 5.5% Magnesium Chelate* may be used on all types of soils. It should be dissolved in water or fluid fertilizer, or dry blended with water-soluble fertilizers for optimum delivery and coverage. For trees or individual plants, *ChelStar 5.5% Magnesium Chelate* may be blended with an inert (such as soil or sand) or sprinkled directly on the soil uniformly under the plant's drip line then watered in. Soil applications may also be made by dissolving in water and then mixing or metering into drip, sprinkler or furrow irrigation systems.

##### FOLIAR APPLICATION DIRECTIONS:

*ChelStar 5.5% Magnesium Chelate* may be applied in water or in combination with most pesticides. Buffer the spray solution to a pH of 6 to 6.5 for best performance. Thorough coverage and the use of wetting agents often enhance nutrient uptake from foliar sprays. Application rates and dilution factors depend on crop sensitivity, the amount of foliage to be sprayed, and the application method. Avoid applying *ChelStar 5.5% Magnesium Chelate* when plants are suffering from moisture stress. If there is any doubt, apply the spray solution to a small test area of the crop or foliage to assess any undesirable effects or phytotoxicity before general application.

**AERIAL APPLICATION DIRECTIONS:** Apply 0.33 lb. of *ChelStar 5.5% Magnesium Chelate* per acre in at least 10 gal. of water. For application timing and frequency, refer to appropriate foliar application recommendation below.

##### CROP RECOMMENDATIONS – SOIL APPLICATION

**VEGETABLE CROPS** (including beans, peas, potatoes, sweet corn, tomatoes) and **FIELD CROPS** (including alfalfa, corn, dry beans, forage grasses, peas, rice, safflower, sorghum, sugar beets, sugarcane): Apply *ChelStar 5.5% Magnesium Chelate* at 4 to 12 lbs. per acre.

**TREE & VINE CROPS** (including almond, apple, apricot, avocado, berry, cherry, citrus, grape, mango, olive, pear, peach, pistachio, plum, walnut): Apply *ChelStar 5.5% Magnesium Chelate* at 4 to 15 lbs. per acre or 0.5 to 4 oz. per inch of tree diameter.

**ORNAMENTAL SHRUBS & TREES** (including azaleas, gardenias, junipers, pines, roses): Apply *ChelStar 5.5% Magnesium Chelate* at 2 Tbsp. for small shrubs and up to 2 Tbsp. per inch of tree diameter for large trees and shrubs.

**TURF:** Apply *ChelStar 5.5% Magnesium Chelate* at 1 lb. per 1,000 sq. ft. or 43 lbs. per acre.

**Note:** the rates provided above are based on broadcast application. If broadcast rates are used for spot or banded applications, phytotoxicity may result.

##### CROP RECOMMENDATIONS – FOLIAR APPLICATION

**TREES (CITRUS):** Apply *ChelStar 5.5% Magnesium Chelate* at 1 to 2 lbs. per 100 gal. of cover spray any time except during bloom.

**TREES & VINE CROPS** (excluding citrus): Apply *ChelStar 5.5% Magnesium Chelate* at 1 to 2 lbs. per acre in sufficient spray volume for thorough coverage (25 gal. minimum) at dormant/delayed dormant before bloom, then after full bloom at 2 to 3 week intervals as needed. **NOTE:** For smooth-skinned fruit (peach, pear, apple, etc.) apply 1 lb. per acre in 50 to 100 gal. of water.

**VEGETABLE & FIELD CROPS** (ground equipment only): Apply *ChelStar 5.5% Magnesium Chelate* at 0.33 to 1.33 lbs. per acre in sufficient spray volume for thorough coverage (25 gal. minimum).

**TURF:** Apply *ChelStar 5.5% Magnesium Chelate* at 1 to 2 oz. per 1,000 sq. ft. in sufficient spray volume for thorough coverage.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

##### CONDITIONS OF SALE AND WARRANTY

*Chemurgic Agricultural Chemicals, Inc.* warrants that this product conforms to the chemical description on the label and is reasonably suited for the purposes stated when used as recommended under normal conditions.

Unintended consequences such as crop damage or poor performance may result from factors including, but not limited to, method of application, timing, crop and soil condition, weather, and other materials present, all of which are beyond the control of *Chemurgic Agricultural Chemicals, Inc.* and Seller.

*Chemurgic Agricultural Chemicals, Inc.* neither makes, nor authorizes any agent or representative to make any other warranties, expressed or implied, including fitness or merchantability.

Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material.

In no case shall *Chemurgic Agricultural Chemicals, Inc.* or the Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product.

The foregoing is a condition of sale by *Chemurgic Agricultural Chemicals, Inc.* and is accepted as such by the Buyer.



**Chemurgic Agricultural Chemicals, Inc.**

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**Net Weight: 25 Lbs (11.3 Kg)**