



# SIL-K<sup>®</sup>

Macronutrient

## Guaranteed Analysis

### 0-0-10

Potassium (K<sub>2</sub>O) ..... 10.00%  
 Silica (SiO<sub>2</sub>) ..... 5.00%

#### Derived From:

Potassium Hydroxide and Sodium Silicate.

#### Additional Contents:

Micro Carbon Technology<sup>®\*</sup>

#### Physical Properties:

Form: Liquid

Appearance: Clear to slightly hazy amber, having a slight characteristic odor

Weight: 10.77 lb/gal, 1.20 kg/L

pH: ≥ 14.0

#### Caution:

**Keep out of reach of children.**

**Harmful if swallowed. The liquid and mists may be severely irritating to the skin and respiratory tract. This product may be slightly corrosive to aluminum, magnesium, lead, tin, and zinc.**

#### Storage and Disposal:

Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations. Do not store this product below 50°F (10°C) or above 90°F (30°C).

#### Conditions of Sale:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, turf conditions, and other factors are beyond the control of the seller.

## The Professional Solution for Improved Potassium and Silica Nutrition

Huma Gro<sup>®</sup> Turf SIL-K<sup>®</sup> complexed with Micro Carbon Technology<sup>®</sup> provides the potassium and silica essential for stronger leaf blades for heat and wear tolerance. Silica provides important strength to plant cell walls, helping grass stalks to stay upright, and is beneficial in stimulating natural plant defenses against fungal pathogens. Potassium is essential to many plant functions—including regulating water pressure, transporting chemical compounds, balancing electrical charges, synthesizing proteins, adjusting pH within cells, and activating enzymes that help chemical reactions take place. Turf with adequate potassium is better able to withstand stress, insect damage, and many plant diseases.

#### Benefits of Use:

- Increases the strength and rigidity of the plant cells
- Reduces the tendency of turf to wilt during the initial stages of drought
- Increases resistance to some pests and diseases

#### When to Apply:

- During times of drought or heat stress
- In high traffic-wear areas
- When stronger leaf blades are needed for heat or wear tolerance
- When inadequate potassium/silica levels are found during tissue or soil analysis

#### Application Instructions:

SHAKE WELL BEFORE USING. Designed to be applied either foliarly or to soil. Contents are highly concentrated and must be diluted with water in a ratio of at least 20 parts water to 1 part product (5%) prior to foliar application. Best results will be obtained when the application is concentrated in the active root zone or on the leaf surface. Can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. If compatibility is in question, jar test a small quantity. Applications can be made as often as every 7 to 10 days as needed. Consult your local Huma Gro<sup>®</sup> Turf Representative or other turf specialist for turf-specific recommendations.

METHOD OF APPLICATION	SUGGESTED RATE	
	per 1000 ft <sup>2</sup> (100 m <sup>2</sup> )	per Acre (Hectare)
Foliar broadcast spray or fertigated through sprinkler system	Up to 0.5 oz/1000 ft <sup>2</sup> , (18 mL/ 100 m <sup>2</sup> )	Up to 1 gal/ac, (10 L/ha)
Soil broadcast spray incorporated	Up to 1 oz/1000 ft <sup>2</sup> , (35 mL/ 100 m <sup>2</sup> )	Up to 2 gal/ac, (20 L/ha)



Powered by  
**MICRO CARBON  
 TECHNOLOGY**

*\*This Product Contains Micro Carbon Technology<sup>®</sup> (MCT), a proprietary blend of very small organic molecules that allows for more effective absorption of nutrients by plants.*

