

# Potassium Silicate



A liquid source of potassium and silica. Silica is often a forgotten element and has many benefits in the plant including strengthening cell walls.

## Benefits

- Biological Farmers of Australia (BFA) Registered Product 456AI.
- Improves photosynthesis and raises brix in all plants.
- Reduces the negative effects of excess aluminium, sodium and manganese.
- Improves plant growth, lifting yield and quality.
- Enhances reproduction by improving pollination and increasing pollen fertility.
- Produces an armour-like resilient layer in the outer cell wall resulting in:
  - Reduced lodging.
  - Decreased plant palatability.
  - Less fungal colonisation sites.



## PACKAGING

1 L, 5 L, 20 L, 200 L, 1000 L  
Product Code: POTSIL



# Potassium Silicate



## Application Rates

### Foliar:

2 – 3 L per ha (depending on plant size)

Dilution: 1:300

**Note: Do not apply during flowering.**

### When to Recommend:

- All season or when plant available potassium is required.
- Plant-available silica is a “hidden deficiency” in many crops.
- To build brix levels.

## Miscellaneous

- As silicon is not readily transported within the plant more than one application will be required per season to ensure the full benefits.
- Potassium silicate is very alkaline and recommended rates should never be exceeded to avoid possible plant damage.
- Note: Product in 1000 L tanks may weigh over 1 tonne. Forklift with 2 tonne lifting capacity is recommended.

## Typical Analysis w/v

Total Potassium (as silicate) .....	13.5 %
Silicon.....	17.2 %
pH: .....	11 – 12
Appearance .....	Clear liquid
Solubility .....	Completely Soluble
Conductivity .....	79 mS/cm

## First Aid/Safety

### Poison (S5).

**Caution:** Keep out of reach of children.

**Safety Directions:** Irritant, irritating to eyes and skin. When handling wear, impervious gloves and eye protection. Keep locked up and out of reach of children.

**First Aid:** For advice contact a Poisons Information Centre or your local doctor. Ph: Australia on 131 126 (free call) Ph: New Zealand on 0800 764 766 or Ph: +613 9573 3112 (worldwide). If swallowed DO NOT induce vomiting. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or feeling unwell, seek medical advice immediately (show the label where possible). If skin and hair contact occurs, remove contaminated clothing and flush skin and hair with copious amounts of water.

Disclaimer: Any recommendations provided by Nutri-Tech Solutions Pty Ltd (NTS) or its Distributors are advice only. As no control can be exercised over storage, handling, mixing application or use, or weather, plant or soil conditions before, during or after application (all of which may affect the performance of our program), no responsibility for, or liability for any failure in performance, losses, damages, or injuries (consequential or otherwise), arising from such storage, mixing, application, or use will be accepted under any circumstances whatsoever. NTS recommend you contact an Agronomist prior to product application. The buyer assumes all responsibility for the use of any NTS products.



### NUTRI-TECH SOLUTIONS P/L (NTS)

PO Box 338, Eumundi, QLD 4562, Australia

7 Harvest Rd, Yandina, QLD 4561, Australia

Ph: +61 7 5472 9900 Fax: +61 7 5472 9999

Email: [info@nutri-tech.com.au](mailto:info@nutri-tech.com.au)

Web: [www.nutri-tech.com.au](http://www.nutri-tech.com.au)

### Your Local NTS Distributor: