

# Hi-CAL LIQUID CALCIUM

## Product Data Sheet

### General Description

Hi-Cal™ liquid calcium is a 100% water soluble, clear liquid solution with 12 percent calcium.

As water quality declines due to increasing salinity, crops can experience injury and reduced yields. A cost effective, easy to use solution for dealing with poor water quality is TETRA's Hi-Cal liquid calcium.

### Applications

Hi-Cal liquid calcium is used to solve problems associated with soils and water, especially under irrigated conditions. In addition to being a stand alone water amendment product, Hi-Cal liquid calcium is also used to formulate N-Cal® and Sodex®, TETRA's fertilizer and turf product lines. Hi-Cal liquid calcium can also be blended with solutions containing nitrogen, potassium, and micronutrients derived from chloride or chelated sources.

Besides providing calcium for plant nutrition and sodium displacement, Hi-Cal liquid calcium is a valuable source of chloride fertilization. Extensive university studies confirm that chloride fertilization helps to suppress many soil-borne and plant tissue diseases on crops such as wheat, barley, corn, potatoes, and rice. Correcting chloride deficiencies can help maximize crop yield and grower profits.

Hi-Cal liquid offers many advantages over other calcium sources such as gypsum as it:

- Is fast acting,
- Is 100% water soluble,
- Is safe and easy to handle,
- Is economical, with low application rates,
- May be mixed with herbicides,
- May be applied through irrigation systems, and
- Is a nonhazardous liquid.

#### TETRA Chemicals

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### Availability

Hi-Cal liquid calcium is available in bulk only.

### Safety and Handling

Hi-Cal liquid calcium is a strong calcium chloride salt solution. Wear appropriate protective, impervious clothing. Wear safety glasses with non-flexible side shields or chemical goggles for proper protection of the eyes. Wear appropriate protective non-leather protective gloves and boots. Chemical protective gloves and boots such as PVC or Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction. This product should be handled in areas with proper ventilation. Before using this product, refer to the SDS which is available on the Company's website for complete safety and handling guidelines.

#### CHEMICAL PROPERTIES

<b>Chemical</b>	CaCl <sub>2</sub>
<b>Appearance</b>	Clear to straw liquid solution
<b>Odor</b>	None
<b>Assay</b>	Typically 12% by weight Ca
<b>Density</b>	Approx. 11.09 lb/gal
<b>pH</b>	7.0

#### TYPICAL ANALYSIS\*

<b>Guaranteed Analysis Calcium (Ca)</b>	12% by weight
<b>Chloride (Cl)</b>	22 to 26% by weight
<b>Arsenic (As)</b>	< 5 mg/kg
<b>Heavy Metals (including Pb)</b>	< 20 mg/kg
<b>CoBalt (Co)</b>	< 10 mg/kg
<b>Lead (Pb)</b>	< 10 mg/kg

\*impurities based on 100% CaCl<sub>2</sub> basis