

# PRODUCT PROFILE

## CALCIUM CHLORIDE FOR TIRE WEIGHING

*Liquid Calcium Chloride solutions have long been used for tire weighing in off-road environments with many benefits.*

### **INCREASED TRACTION**

Calcium Chloride can add 30% more weight to a gallon of water. This increased weight means that drive wheels have a firmer tread grip for maximum traction. The increased traction results in increased tractor drawbar pull.

### **SMOOTHER RIDE**

Liquid ballast lowers the center of gravity for less slippage and reduced impact of bumps and ruts. This results in greater maneuverability and improved operator comfort.

### **EXTENDED EQUIPMENT LIFE**

Tire weighing increased tire life by maximizing traction and reducing slippage and friction. Tire weighing also increases tractor life by reducing shock and slip-and-grip drive wheel action.

### **GREATER ECONOMY AND CONVENIENCE**

A Calcium Chloride solution can be injected into tires quickly and easily. Cast iron weights are expensive to install and do not provide a favorable weight profile. Also, extended equipment life means additional reductions in cost.

### **FREEZE PROTECTION**

Plain water will not afford the same protection from freeze damage to tires. The recommended ballast solution will stay freeze proof down to about -50F.

Either Hill Brothers Anhydrous Calcium Chloride or Hill Brothers Liquid Calcium Chloride can be used to prepare the standard tire weighing solution. If Hill Brothers Anhydrous Calcium Chloride is used, 150 pounds of dry should be added to 40 gallons of cool water. Dry Calcium Chloride releases considerable heat when added to water. Caution must be exercised when handling freshly mixed solutions to avoid skin burns. After adding the Calcium Chloride, stir the solution until completely dissolved. Let the solution cool before putting it into the tire. Always add the dry Calcium Chloride to the water, never the other way around. If Hill Brothers Liquid Calcium Chloride is used, one (1) gallon of water should be added for every five (5) gallons of solution.



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