



Pulsar® Infinity Tablets

VS

Liquid Bleach



Composition

Material Calcium hypochlorite

Appearance Blue slow-dissolve tablet



Chlorine 68% available chlorine (minimum)

DOT Class Division 5.1 Oxidizer

Liquid Bleach

Greenish-yellow, pungent liquid



10.5-16% chlorine when made fresh
Quickly loses strength based on storage conditions

Class 8 Corrosive

Storage, Transportation, and Handling

Strength 5-6 times more concentrated than liquid bleach.

Suffers a continuous loss of chemical strength making dosing more challenging.

Shelf Life Averages a 1 yr. shelf life.
Up to 7% loss of strength after 1 year under normal storage conditions.

90 day shelf life at room temperature.
A strong 15% solution will suffer 30% loss of strength after 21 days of storage at 85°F.

Transport Up to 999 lbs. of cal-hypo can be transported with no hazmat placarding.

Bulk tanks are hard for end users to move around and take up a lot of space. High transportation costs.

Storage Stackable pallets of product reduce space requirements compared to storing bulk tanks.

Mostly made up of water. Large volumes of product are needed due to low concentrations of active chlorine.

Storage Comparison



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32 5gal carboys



192 1gal bottles

5 pails of Pulsar® Infinity will treat as much water as 165 gallons of liquid bleach



Performance		
Salt	Reduce the need for adding calcium chloride because calcium hypochlorite contains calcium chloride and other soluble calcium salts.	Adds almost 2 lbs. of salt per gallon of bleach, making pool surfaces and equipment susceptible to damage, and increases TDS.
Maintenance	Contains a scale inhibitor designed to reduce maintenance and improve reliability of the chlorinator systems.	Lack of calcium means pools may require calcium chloride applications to protect grout from dissolving and plaster from etching.
TDS	Contributes less TDS, requiring less draining of some pool volume annually.	Sodium chlorate is a by-product as the bleach degrades
pH	Requires low level of pH correction. Water is clear, bright and sparkling.	May require 2X as much pH correction, increasing operating costs. High pH contributes to scaling and cloudiness in hard water.
Water Clarity		
Stability	Anti-scale formulation will not cause over stabilization and will provide continuous chlorination effectively.	Wide variety of raw material (caustic soda) quality can lead to impurities (i.e. the presence of metal ions), cause quicker degradation, and affect product stability.
Chlorine Gas	Decreased risk of formation	Increased risk of formation

The Splash-Free Way

- CDC reports that as many as 5,200 ER visits per year are due to pool chemical related injuries
- Pulsar® Infinity tablets are a dry product so no splashing (causes damage to vehicles and pump rooms) and product stays dry until water enters feeder.
- Store off the ground in cool, dry, well-ventilated areas.
- Requires minimal operator dosage adjustments since solution is produced automatically
- A 3-in-1 product that chlorinates consistently, increases calcium to protect plaster and balances alkalinity to stabilize pH!

For more information visit www.pulsarsystems.net or call us at 1-800-4-PULSAR