



përom<sup>®</sup>

**CALCIUM HYPOLHORITE -35%**

## The Company

Ceegreen Engineering Pvt. Ltd. is a well-established Sri Lankan company. It was established in 2007 and has since been engaged in the fields of water engineering and engineering consultancy.

Ceegreen Engineering Pvt. Ltd. is actively engaged in the Water, Wastewater, Sewerage & Power sectors in Sri Lanka with principal clients being National Water Supply & Drainage Board, Paranthan Chemicals Company Limited, State Engineering Corporation, Ceylon Electricity Board, Board of Investment of Sri Lanka, Ceylon Petroleum Corporation and many other public and private sector institutions.

Ceegreen Engineering Pvt. Ltd. possesses the necessary skilled professionals and is geared to provide an excellent service and products to our clients in the above-mentioned sectors. In this regard, we have the in-house professional expertise in Chemical, Mechanical, Civil and Electrical fields to assist our clients with high level of service in Water, Wastewater, Sewerage and Power Sectors in the implementation of projects for efficient and effective procurement and installation support services.

## The Product

Ceegreen Engineering (Pvt) Ltd has set up a state-of-the-art plant for producing Përoma Stable Bleaching Powder (abbrev: SBP). The plant produces the best quality Stable Bleaching Powder (SBP) ensuring strict quality control on raw materials, process and finished product.

Përoma SBP (Calcium Hypochlorite) in powder form is economical as it contains high (35-36%) Available Chlorine. Përoma SBP is stable for a longer period than other brands of Stable Bleaching Powder. i.e. when properly stored, Përoma SBP reports very low loss of Available Chlorine over extended period of time. This is because of low moisture content in the final product and absence of heavy metal and other impurities in the raw material. The best quality Chlorine from South Asia and Hydrated Lime from the Middle East are used in the manufacture of Përoma SBP.

## Specifications

General Appearance	:	Dry free flowing white powder, without hard lumps and impurities.
Particle Size	:	Minimum 99.5% passing through 1.70mm IS Sieve.
Available Chlorine	:	Minimum 35% (by Wt.)
Stability	:	On Heating at $100 \pm 2^{\circ}\text{C}$ does not lose more than 1/15th of available chlorine.
Moisture	:	Maximum 0.3% (by Wt.)

## Advantages

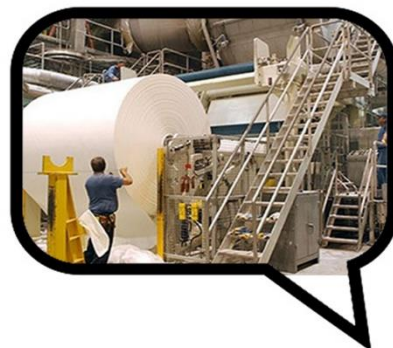
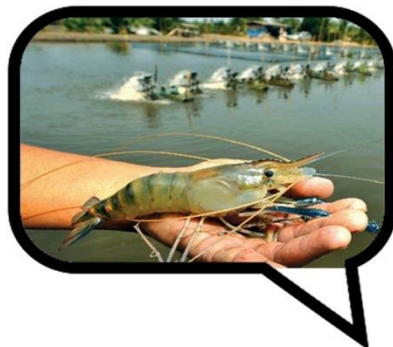
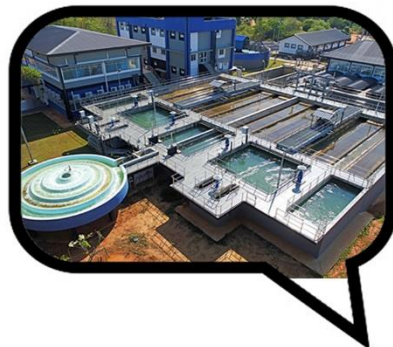
- ❖ Përoma Calcium Hypochlorite is a concentrated chemical compound containing more than 35% Available Chlorine as compared to the much lower 10 - 12% Available Chlorine in liquid Sodium Hypochlorite. This in turn provides tremendous savings in logistics, bulk handling and ease in storing.
- ❖ Përoma Calcium Hypochlorite is stable for a longer period than liquid Sodium Hypochlorite when properly stored.
- ❖ Përoma Calcium Hypochlorite reports low loss of Available Chlorine over extended period of time when properly stored.

## Përoma SBP Has Variety of Uses

Përoma SBP is Calcium Hypochlorite containing 35% Chlorine. Përoma SBP is a powerful oxidising agent. It is also a source of hypochlorite as  $\text{Ca}(\text{OCl})_2$ , hypochlorous acid and chlorine. In water solution at pH more than 10 mostly hypochlorite is present. Between pH 5 and 8.5 it predominantly consists of hypochlorous acid. As pH falls below 5, liberation of chlorine begins to take place and when the pH falls below 3 whole hypochlorous acid converts into chlorine.



Major Uses Are



## Major Uses Are

- ❖ **As a disinfectant in the treatment of Potable Water:**  
Used for disinfection of water. It can be widely used in wells and surface drains of villages, water works, hotels, municipal corporations and civic bodies. It can also be used to control algae in reservoirs and cleaning of fixed equipment. It can be also be used for disinfecting the water after floods as lot of impurities enter reservoirs, wells, etc.
- ❖ **As a bleaching agent in Textile Industry:**  
For bleaching cotton, linen, cotton yarn and hemp.
- ❖ **As a sanitizer in Emergency Situations:**  
During floods, heavy rain, pandemics and other natural calamities like earthquakes, SBP can be used as sanitizer for all events and purposes.
- ❖ **As a cleanser in Aqua Culture:**  
SBP kills pathogenic microorganisms and viruses by dissolving and penetrating into the cell membrane/cell wall without causing adverse effect on the growth of Shrimps/Prawns. SBP also kills/destroys the eggs/larvae of parasitic organisms and organic matter coming from the sea or lagoon water. SBP increases quality of water to promote healthy Shrimps and Prawns.
- ❖ **As a cleaning agent in Carpet Industry:**  
For extra shine on carpet fabric.
- ❖ **As a bleaching agent in Pulp and Paper Industry:**  
For bleaching wood pulp and straw.
- ❖ **As a disinfectant in Hospitals, Health Departments, Hotels, Offices and Households:**  
For disinfecting, deodorizing, sanitation and for sterilization of premises to kill germs, pathogens and viruses.
- ❖ **As a disinfectant in Swimming Pools:**  
For disinfection of pool water, algae control in pool water, odour control and cleaning of swimming pools.

## Other Uses Are

- ❖ **Sewage Disposal:**  
For disinfection, deodorization, B.O.D. reduction and treatment of sewage containing cyanide and other dangerous effluents.
- ❖ **Sugar Mills, Bottling plants and Factories:**  
For disinfecting machinery, equipment and vessels and for general sanitation.
- ❖ **Laundry:**  
For bleaching.

## Packing

25kg Laminated Polypropylene (PP) bags with LDPE double inner liners  
17.5 or 20 kg Polypropylene (PP) Drums with LDPE inner liner  
45kg High Density Polyethylene (HDPE) Drums with LDPE inner liner



*PP Drums*



*PP Bags*



*HDPE Drums*

## Availability

Përoma Calcium Hypochlorite will be made available island-wide. This is because of the extensive dealer network and the strategic location of the plant.

## Quality Control

Përoma Calcium Hypochlorite will be SLSI Standard (pending)  
Përoma Calcium Hypochlorite will be ISI Standard (pending)  
Përoma Calcium Hypochlorite will ISO 9001 Standard (pending)

Strict quality control is exercised at all levels right from the procurement of raw material up to the delivery of finished product. The quality systems will be approved under ISO 9001 (pending).



## Guidelines for Handling and Storage

- ❖ Përoma SBP is easy to handle, store and convenient for dosing.
- ❖ All variants of SBP have a shelf life. Hence, follow the FIFO system (i.e. First In First Out) in selling / consuming SBP. Try to clear the old stock first.
- ❖ Ensure proper storing of SBP. Hooks should not be used while handling / loading / unloading / stacking.
- ❖ Avoid keeping SBP in the areas where smoke, acid vapors, water vapors, sunlight are present so as to prevent deterioration in quality.
- ❖ Replace lid or tie the bags tightly after required quantity of SBP is taken out.

## Precautionary Measures

- ❖ Avoid eye contact. Do not swallow. Do not drop.
- ❖ SBP should not be carelessly handled or dropped. Impact can cause ignition.
- ❖ SBP should not be stored at high temperature areas because it tends to liberate oxygen when temperature rises, available chlorine will reduce in such case. This could also cause fire.
- ❖ SBP is a powerful oxidizing agent and so rubber, cloth, paper and wood chips and other inflammable materials should not come in its contact. There is a danger of fire in such case.
- ❖ Acid should not be allowed to come in contact with SPB; else chlorine will be liberated.
- ❖ In dry state SBP powder has practically no corroding action on metals. However, in presence of water / moisture it may corrode materials made out metals. Hence it is recommended to use vessels, shovels, stirring rods, etc., made out of plastic, glass, clay pots, etc. when using SBP.

For Enquiry Please Contact

CEEGREEN ENGINEERING (PVT) LTD  
NO:66/1, WALTER GUNASEKARA MAWATHA, NAWALA, SRI LANKA  
TELL: +94 11 250 9639 | FAX: +94 11 250 9707  
EMAIL: [info@ceegreen.lk](mailto:info@ceegreen.lk)