ADITYA BIRLA
GRASIM

POWERFUL BLEACHING & EFFECTIVE DISINFECTION









CHEMISTRY FOR A GREENER WORLD

INTRODUCING LION SBP

DRY FREE-FLOWING BLEACHING POWDER WITH VERY HIGH DEGREE OF SUPERIOR STABILITY

LION SBP (Calcium Hypochlorite) is produced in a modern state-of-art plant using high purity hydrated lime. The outcome is a dry free-flowing bleaching powder with very high degree of fineness and superior stability. It has low bulk density and preferred by all Textile companies due to salient bleaching characteristics and low sludge when dissolved in water. It is soluble in cold water, has low moisture content and free from any heavy metal impurities.

ABOUT US:

Grasim Industries Limited - Chemical Division is part of the Aditya Birla Group, which is a US $ 48.3 billion corporation. We are among the largest producer of Chlor-Alkali products globally, catering to vast array of applications with our premium range of Specialty chemicals.

We offer Products & Technical services for superior performance in Water treatment applications like Municipal drinking water, Sewage wastewater, ETP, Sludge-free clarification of pools, and pre-treatment / process treatment for various industries.

SALIENT FEATURES:

- Stability of LION SBP is superior to other brands on account of good quality of raw material, quality control and better process control.
- LION SBP liberates Chlorine quickly when dissolved in water and nearly 90-94% of its available Chlorine content becomes free within 15 mins to take part in bleaching / disinfection process. This allows for faster bleaching disinfection effect.
- When put in water for disinfection / sterilization, LION SBP leaves little residue due to its better reactivity.

ADVANTAGES:

LION SBP contains more than 34% available chlorine as compared to 10-12% in liquid Sodium Hypochlorite, which in turn provides savings in logistics and bulk handling costs and ease of storage.

It is stable for a longer period than liquid Sodium Hypochlorite when properly stored.

It reports low loss of available chlorine over extended period of time even in changing climatic conditions.

QUALITY CONTROL & RECOGNITION:

LION SBP comes to you from the reputed Aditya Birla Group, India's largest SBP manufacturer. It is produced under strict quality control. Care is exercised at all levels right from the procurement of raw material up to the delivery of finished product. The quality systems are approved under ISO : 9001, 140001 & OHSAS : 18001. It conforms to Bureau of Indian Standard specifications, IS 1065:1989.

APPLICATIONS:

BLEACHING AGENT IN TEXTILE INDUSTRY

For bleaching cotton, linen and cotton yarn.

SANITIZER DURING EPIDEMIC CONTROL

During floods, rains and other natural calamities like earthquake.

CARPET INDUSTRY

For extra shine.

DISINFECTANT IN THE TREATMENT OF POTABLE WATER

It is widely used in wells and surface drains of villages, water works, hotels, municipal corporations and civic bodies for the Disinfection of water. It is used to control algae in reservoirs and cleaning of fixed equipment and for disinfecting the water after floods as lot of filth comes in reservoirs, wells, etc. after floods.

PULP AND PAPER INDUSTRY

For bleaching wood pulp and straw. It is the ideal choice in mini paper plants.

HOSPITALS, HEALTH DEPARTMENTS, HOTELS, OFFICES, HOMES

For disinfecting, deodourising, sanitation and for sterilisation of equipment and hand gloves.

SWIMMING POOLS

For disinfection of pool water, algae control, odour control and cleaning of swimming pools.

SEWAGE DISPOSAL

For disinfection, deodourisation, B.O.D reduction and in treatment of sewage containing cyanide and other dangerous effluents.

SUGAR MILLS

For disinfecting vessels and for general sanitation.

SODIUM SILICATE INDUSTRY

For curing and extra shine.

LAUNDRY

For bleaching.

CERTIFICATIONS:

IS 1065:1989

R&D, WATER LAB FACILITY, TECHNICAL SERVICES:

Our DSIR recognised R&D facilities and state-of-the-art Water application centre are focused on providing customised solutions for Coagulation, Clarification and Disinfection of water.

Filed 4 patents

DSIR Recognition
in March 2017

Collaboration with
National Institutes
like DST, NEERI, NCL, CIFE, MNIT

Technical Support
starting from lab trial to plant scale application and post sale support



LION SBP

PARAMETERS	SPECIFICATIONS
General Appearance	Dry free flowing white powder, without hard lumps and impurities
Available Chlorine	Minimum 34.0% (by weight)
Stability	On heating at 100±2°C does not lose more than 1/15th of available chlorine
Moisture	Maximum 0.30% (by weight)
Particle Size	Minimum 99.5% passing through 1.70mm IS Sieve or 10 BSS Sieve

PACKAGING:

- 25 Kg Laminated high density polyethylene bags with double LDPE liner.
- 50 kg Galvanized Iron drums resistant to rust and chlorine with added strength for safe handling, transportation and storage with extra LDPE inside liner for keeping quality and protection.
- 25 / 45 / 50 kg HDPE Drums.

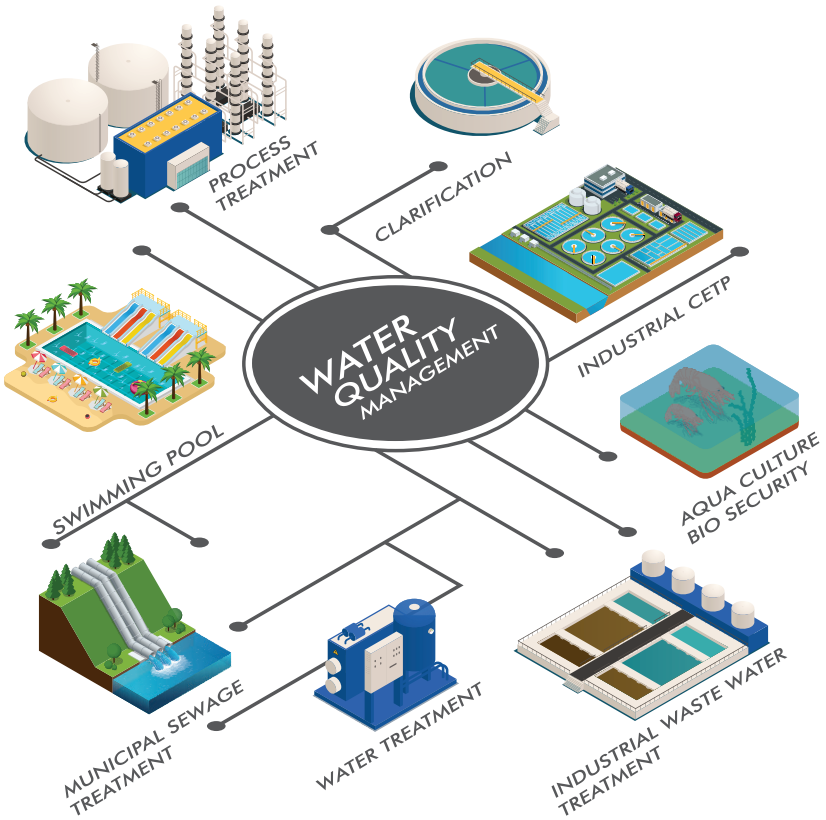
GUIDELINES FOR HANDLING AND STORAGE:

- LION SBP is easy to handle, store and convenient for dosing.
- Hooks should not be used while handling, loading, unloading or stacking.
- Ensure proper storing of Stable Bleaching Powder in dark, cool and well covered place to avoid loss of available chlorine. Avoid keeping SBP in the areas where smoke, acid vapours, water vapours, etc. are present to prevent deterioration in quality.
- Keep away from sunlight.
- Replace lid or tie the bags tightly after required quantity of SBP is taken out. Consume the material promptly after the bag / container is opened.

PRECAUTIONARY MEASURES:

- Avoid eye contact. Do not swallow. Do not drop.
- Should not be carelessly handled or dropped. Impact can cause ignition.
- Should not be stored at high temperatures; because it tends to liberate oxygen when temperature rises, available chlorine will reduce in such case. This could also cause fire.
- It 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.
- Acids should not be allowed to come in contact with SBP, otherwise chlorine will be liberated.
- When the SBP powder is dry it has practically no corroding action on metals, while in presence of water / moisture it does corrode materials made out of metals. Hence it is recommended to use vessels, shovels, stirring rods, etc., made out of plastic, glass or clay pots when using SBP.

YOUR TRUSTED PARTNER IN
TOTAL WATER QUALITY MANAGEMENT



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