



CHEMICAL PROPERTIES

Coastal's Bromine Catalyst is a dual purpose buffered, non-odorizing product which releases the available bromine from the bromide salts contained in Coastal's Bromine Primer, and for the shock treatment of spa and hot tub water. Catalyst can be used in any spa or hot tub to destroy chloramines which may contribute to eye and skin irritation and to help control undesirable odors caused by chemicals.

Catalyst is compatible with most chemicals which may be present in spa/hot tub water such as Chlorine Bleaching Algaecide, Super Mineral Elementator, Clarifier and DeFoamer. Catalyst should never be mixed outside of the spa or hot tub with any other product or chemical. Do not mix with water.

DIRECTIONS FOR USE

Coastal Bromine Catalyst should be added initially when the spa/hot tub is being filled and then daily as a shock treatment and as an activator for the production of available bromine from the bromide salts contained in Coastal's Bromine Primer.

Initially, treat the water with Super Mineral Elementator and Bromine Primer following label directions. Then add 8 ounces of Catalyst per 500 gallons of water to shock the spa/hot tub water and to release available bromine.

1. Test the pH of the water at least once every day with a Bromine/pH Test Kit, and maintain the pH between 7.2 and 7.8. Do not allow the pH to fall below 7.2. The pH of Coastal's Catalyst is buffered in this range and will not adversely affect the pH of the water.

2. Test the bromine residual at least once every day with a Bromine/pH Test Kit. The bromine residual must be between 1 and 2 ppm. Heavy usage, or the length of time that spa/hot tub is in use, may result in the depletion of bromine and require additional dosages of Bromine Primer and/or Catalyst to maintain the desired bromine reading. Never mix any chemicals with each other before adding them to spa/hot tub water. Allow residual to fall to 2 ppm before entering the spa or hot tub.

3. Daily, just before shutting off your spa or hot tub, add 4 ounces of Catalyst per 500 gallons of water. Run filter for an extra 15 minutes. Maintain bromine residual between 1 and 2 ppm. Do not enter spa/hot tub until the residual drops to 2 ppm.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Irritating to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

PHYSICAL AND CHEMICAL HAZARDS

DANGER: STRONG OXIDIZING AGENT. Mix only with water. Use clean, dry vessels. Do not add this product to any dry material containing remnants of any other product. Such use may cause a violent reaction leading to fire. Contamination with moisture, organic matter, or other chemicals may start a chemical reaction with liberation of hazardous gases, and possible generation of fire. In case of contamination or decomposition, do not reuse container. If possible, isolate container in open air or well ventilated area. Fill with large volumes of water.

PRACTICAL TREATMENT

FIRST AID: If swallowed, feed bread soaked in milk, followed by olive oil or cooking oil. Call a Physician immediately. If on skin, brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get Medical Attention. If in eyes, flush with cold water for at least 15 minutes. Get Medical Attention.

STORAGE AND DISPOSAL

Keep product dry in a tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. In case of decomposition, isolate container, if possible, and flood with large amounts of water to dissolve all material before discarding. Do not reuse container. Wrap container and put in trash.

14818

Made & Printed in U.S.A.

500077A



AN OXIDIZING AGENT FOR USE WITH COASTAL'S BROMINE PRIMER (STEP 1) AS PART OF A TWO-PRODUCT SYSTEM FOR DISINFECTION OF WATER IN SPAS AND HOT TUBS AND FOR USE BY ITSELF AS A SHOCK TREATMENT FOR WATER IN SPAS AND HOT TUBS

KEEP OUT OF REACH OF CHILDREN

DANGER:

See back panel for additional precautionary and first aid statements.

ACTIVE INGREDIENTS:

Potassium peroxymonosulfate* 32.18%

INERT INGREDIENTS 67.82%

TOTAL 100.00%

*equivalent to 3.4% active oxygen

Net Weight: 5½ lbs. (2.49 kg)

CHEMICAL PROPERTIES

Coastal's Bromine Primer is a clear solution of bromide salts which remain as a stable bank in the spa/hot tub water until Bromine Catalyst is added. The regular addition of Catalyst will release bromine in water containing Bromine Primer.

Bromine Primer has no disinfectant properties and it is only when Bromine Catalyst is added that bromine is released in water containing Bromine Primer. Bromine Primer is stable at high temperatures and is compatible with most chemicals normally used to treat water such as Coastal Non-Toxic Algicide, Super Mineral Eliminator, Clarifier and Defoamer.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Primer should be added initially when the spa/hot tub is filled and then, added weekly thereafter to maintain a bank of bromide in the water. First, treat the spa/hot tub water with Coastal Super Mineral Eliminator for Spas and Hot Tubs following label directions. Then, add 8 ounces of Primer per 500 gallons of spa/hot tub water directly into the spa/hot tub. Circulate the water while adding Primer to ensure rapid and thorough distribution throughout the spa/hot tub. Weekly, thereafter, add 2 ounces of Primer per 500 gallons of spa/hot tub water to maintain a sufficient bank of bromide in the water. Heavy spa/hot tub usage or backwashing may require more frequent additions of Bromine Primer. In order to release bromine from Coastal's Primer, it is necessary to add Bromine Catalyst regularly to the spa/hot tub water. Follow the directions on the Catalyst label. Never mix any chemicals with each other before adding them to the spa/hot tub. Monitor the water with a Free-chlorine Test Kit for available bromine, after each addition of Primer, and more frequently if necessary to ensure a bromine residual of 1 to 3 parts per million. Allow bromine level to drop to 2 ppm before entering the spa/hot tub.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Do not get in eyes. Avoid contact with skin. Avoid contamination of food.

PRACTICAL TREATMENT

FIRST AID: In case of contact with skin or eyes, flush with plenty of water for at least 15 minutes. If eye irritation persists, get Medical Attention. If swallowed, induce vomiting. Get Medical Attention.

STORAGE AND DISPOSAL

Do not reuse empty container. Wrap container and put in trash.

14812 E.P.A. Reg. No. 4829-108 E.P.A. Est. No. 4829-KJ-1 S08676A



Made & Printed in U.S.A.

ACCEPTED
SEP 23 1987
Under the Fed.
Fungicide, and R.
as amended, for the pesticide
registered under
EPA Reg. No. 78229-108



ONE OF A TWO-PRODUCT SYSTEM FOR DISINFECTION OF WATER IN SPAS AND HOT TUBS WHEN USED WITH COASTAL'S BROMINE CATALYST (STEP 2)

KEEP OUT OF REACH OF CHILDREN

CAUTION:

Harmful if swallowed. Do not get in eyes. Avoid contact with skin. See back panel for First Aid and Precautionary statements.

ACTIVE INGREDIENTS:

Sodium Bromide (NaBr) . . . 37.18%
INERT INGREDIENTS . . . 62.82%
TOTAL 100.00%

Net Weight: 1 fl. qt. (.946 liters)

11132
3525-127
1 of 2