Provox C is a coated sodium percarbonate. The coating’s ingredients help protect its inner core of hydrogen peroxide and prevent the product from breaking down in the presence of incompatible materials, advantageous for the manufacturing of detergents and other powder cleaners. Provox C has a longer shelf life within these products and is particularly effective when in a mixture with both organic raw materials and/or raw materials that may contain significant amounts of moisture.

**Provox Product Applications**

Provox products were initially used only in laundry and automatic dishwashing detergents; however, in the last few years various other applications have been established including:

**Stain Remover/Laundry Supplements**

Provox’s ability to oxidize, decolorize and remove stains on fabric was quickly noted in the soap and detergent industry and rapidly became a standard raw material in most powder detergents. Sodium percarbonate is also used as a pre-treater, enabling customers to enjoy an even higher level of cleaning performance. Stain removal has never been easier.

**Water Treatment**

Provox products effectively remove mildew and algae from ponds, lakes, inlets and other water filled areas by oxidizing and breaking apart the unwanted residue. Provox products transform murky or green water commonly found in golf courses, marinas and public water displays into clear, attractive features.
Deck Cleaners
Wood or composite decks can be kept mildew and stain free by using Provox products. Many marinas and boat storage areas are using Provox to clean their large deck areas.

Process Equipment Cleaning
Provox products can be used to clean process equipment such as process transfer lines, reactor tanks and raw material holding tanks. Sodium percarbonate is first mixed with water and then flushed through the lines to assure complete cleanliness.

Why Use Provox Instead Of Other Bleaches?

Chlorine
Chlorine based bleaches have been used for many years. The typical indoor and close quarters cleaning of kitchens and bathrooms accentuates chlorine’s unpleasant odor, and side effects ranging from difficulty breathing to skin irritations can also occur with usage in these settings. In many European countries, chlorine based cleaners are now considered too harmful for use and are banned from sale.

In outdoor applications such as deck, roof and house cleaning, Provox products will have minimal effects on nearby trees, bushes, grass and flowers. In addition, Provox products do not contribute to the breakdown of wood fiber when cleaned.

Sodium Perborate
Sodium perborate is the precursor of Provox products. Sodium percarbonate was actually developed in an effort to improve upon the product attributes of sodium perborate, a boron based compound. Many medical studies link this element to significant health issues, and as a result the European Union has been in the process of banning all use of the product. From a performance point of view, Provox products activate faster and are more effective in colder water cleaning applications.

Persulfates
Provox products, on a pound for pound basis, are better oxidizers than persulfates due to their higher levels of available oxygen.

Oral Care Products
Provox products are ideal for bleaching teeth surfaces to remove stains and discoloration. The hydrogen peroxide penetrates and efficiently breaks up common stains on enamel surfaces, allowing the tooth’s natural brightness to shine through. Sodium percarbonate is used in toothpaste, teeth whitening products and denture cleaning tablets.

Oxygen Supply
Provox products are being used as a source of oxygen suitable for human respiration. When wetted, the hydrogen peroxide within the sodium percarbonate will release pure oxygen gas. Portable oxygen respirators are currently being sold as emergency breathing devices.

Food Processing
Provox products are often used in meat and seafood processing to clean and decolorize food, making it safer and more appealing for human consumption.
<table>
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