

## Oxygen Therapy Charlottetown

Oxygen Therapy Charlottetown - H<sub>2</sub>O<sub>2</sub> or Hydrogen peroxide is a compound containing a single bond oxygen-oxygen and an oxidizer. The chemical name is H<sub>2</sub>O<sub>2</sub>. Hydrogen peroxide is a clear liquid which is somewhat more thick compared to water. It is often used as a cleaning agent or as bleach. It is considered a highly reactive kind of oxygen as the oxidizing capacity of H<sub>2</sub>O<sub>2</sub> is really strong.

There are many uses of H<sub>2</sub>O<sub>2</sub>. For instance, it is utilized in rocketry as a propellant. On the natural front it is produced in organisms as a by-product of oxidative metabolism. Practically all living things contain enzymes called catalase peroxidases that catalytically and harmlessly decompose low concentrations of H<sub>2</sub>O<sub>2</sub> into water and oxygen.

Normally recognized as safe, H<sub>2</sub>O<sub>2</sub> is utilized as an oxidizing agent, as an antimicrobial agent and for different other purposes by the U.S. FDA. For instance, 35 percent hydrogen peroxide is utilized in the hospitals to avoid infection transmission and H<sub>2</sub>O<sub>2</sub> vapour is registered as a sporicidal sterilant with the United States EPA.

Some of the various uses for H<sub>2</sub>O<sub>2</sub> comprise: being used in veterinary practice as an emetic, and being combined along with benzyl peroxide as an acne treatment. Hydrogen peroxide can be utilized as a toothpaste or as an oral debriding agent, when combined together with the correct amount of baking soda and salt, even though, this formula is not more effective than toothpaste by itself.

Hydrogen peroxide has a reputation for being a disinfectant or antiseptic for treating wounds, even if, this is really a common misconception. Even though H<sub>2</sub>O<sub>2</sub> is an effective cleaning agent, it is not recommended for reducing bacterial infection of wounds and applying it can actually impede healing and potentially lead to scarring because it destroys newly formed skin cells.

Some alternative medical practitioners have recommended drinking diluted hydrogen peroxide as a treatment to diseases, and in particular cancer. The American Cancer Society states that "there is no scientific evidence that hydrogen peroxide is a safe, effective or useful cancer treatment", and advises cancer patients to "remain in the care of qualified doctors who use proven methods of treatment and approved clinical trials of promising new treatments."

Intravenous use of H<sub>2</sub>O<sub>2</sub> has been associated to several fatalities. One more controversial medical process that has surfaced in the alternative health realm has been the inhalation of hydrogen peroxide at a 1 percent concentration. People have to be safe and careful when utilizing hydrogen peroxide.