**BLUBONIC 12% FOOD-GRADE HYDROGEN PEROXIDE CARE AND HANDLING**

**PRECAUTIONS: SKIN AND EYE IRRITANT. FLUSH WITH RUNNING WATER IF CONTACT OCCURS. USE GLOVES WHEN HANDLING TO AVOID SKIN CONTACT. IF INGESTED UNDILUTED, DO NOT INDUCE VOMITING; GIVE LARGE QUANTITIES OF WATER. SEEK MEDICAL CARE IF NEEDED.**

**Storage/shelf life:** Containers ship hermetically vacuum-sealed within thirty days of manufacturing to ensure exceptional freshness. Our unique seal and cap liner prevent expansion of the container due to rapid oxygen buildup. **The decomposition rate of 12% is approximately 1% every 9 years refrigerated, and 1% every 11 months unrefrigerated.** Freezer storage of 12% is not recommended as it can freeze under extreme temperatures. Composed of only water and oxygen, it decomposes into water, so over time while the concentration level slowly reduces, the efficacy remains intact

**Dilution: Always use distilled water when diluting for short or long-term storage; all other water types contain trace elements and minerals that react with and degrade hydrogen peroxide.**

*Values are approximate **- 3% dilution = a 1:3 ratio** of h2o2 to distilled water (3% is the most commonly used concentration, also safe for skin contact. Note, this will be true 3%, stronger than store-bought 3% due to the lack of stabilizers), **6% dilution = a 1:1 ratio**. To calculate, add the two numbers in the ratio together, divide the total volume you desire to make by the sum, and that answer will be the amount of h2o2 used to the remainder of distilled water (i.e., to make 32 oz of 3% h2o2, add 1+3 = 4 (sum of ratio), divide 32 oz by 4 = 8 oz h2o2 + 24 oz distilled water).

**Skin contact:** With care and caution given to stinging and temporary whitening, 6%-12% concentration can be used externally to quickly and effectively treat numerous common skin ailments. Depending on the sensitivity of the contact area and the concentration used, mild to moderate stinging will occur and subside after several minutes. Q-tips work best for controlled skin application.

**Testing at home:** The most common and accurate consumer method is a hydrogen peroxide strip test, usually selling for $10-$15 a package. A less definitive but still effective measure is diluting to 3% per above and testing as a mouth rinse. Three percent hydrogen peroxide rinsed in the mouth causes a pleasant tingling sensation and moderate foaming afterward (also excellent for oral hygiene). This reaction occurring with the three percent (3%) solution will roughly confirm the undiluted solution's concentration. While external skin reactions like stinging and whitening on the hands (vs. mucous membranes like the mouth) can be an anecdotal measure of assessing the concentration level, it’s not a practical measurement because similar skin reactions can occur across a broad range of concentration levels, and factors such as individual skin makeup, area of contact, and contact time affect this reaction. Likewise, when poured into a sink drain, the 'sizzling' sound you hear is not an adequate measure of the concentration level as the intensity of this reaction is relative to the amount of organic matter present on the surface upon contact.

**Usage:** Food-grade hydrogen peroxide is a natural compound used for many different purposes so we don't offer usage expertise or application-specific information. If you need assistance with a Google search on a particular topic, we’re happy to help!

**Safety:** Keep out of reach of children. Triple-sealed for quality assurance and leakage prevention (cap, seal, poly bag). In the unlikely event of leakage, a water rinse will neutralize any hazard.