



FAQs

What is Super Alkaline Ionized Water (our “ECOLIZER”)?

SAIW is a high alkaline water with a pH ratio of 12.5 produced through an ionizing electrolysis method using 99.9% pure water filtered by reverse osmosis (RO) and 0.1% Potassium Carbonate as an electrolyte (K_2CO_3).

What does pH of 12.5 mean?

pH stands for Potential of Hydrogen and it is an indication of the density of hydrogen in water. pH1-6 is considered acidic and the more acidic, the smaller the pH ratio. pH of 7-8 is neutral and that’s what you see come out of the tap. pH of 9-14 is considered alkaline and the higher the pH, the higher the alkalinity.

High pH water above 12.5 is supposed to be dangerous. Is this Water safe?

Normally, high acid or alkaline water is made by mixing hydrochloric acid or sodium hydroxide to water respectively. These very low pH or very high pH waters at both extremes are dangerous liquids with nearly 5% hazardous chemicals content and will need careful handling and precautions. On the other hand, SAIW, which is produced by a very unique and patented electrolysis method has excellent cleaning, sanitizing and deodorizing properties, yet it is not harmful or dangerous.

What is the difference between Super Alkaline Ionized Water (SAIW) and Alkaline Ionized Water (AIW) when it comes to drinking?

It is simply the difference of pH values. Alkaline Ionized Water that is safe for drinking and available in the markets are usually between pH 8.5 – 9.5. Household water ionizers also produce water as high as pH 10.5. At pH10.5 the water is not strong enough to clean or sanitize and not recommended for drinking either. So water at pH12.5 is also not recommended for drinking, but it is completely harmless if accidentally consumed by children or adults.

It is also important to note that, scientifically, if a batch of pH12.5 SAIW is diluted with another batch of water at pH7.5 water equally, the end product will be become pH10.5. This means AIW has 100 times more sanitizing and cleaning power than pH10.5 and 100,000 times more alkalinity than pH7.5

Is it safe to touch SAIW with bare hands?

Yes, absolutely! SAIW is highly recommended for the sanitizing of hands. SAIW is safe even for babies' hands and skin.



Does Super Alkaline Ionized Water smell?

No, it is completely odorless. SAIW raw material is filtered water using Reverse Osmosis (RO) which takes out chlorine, irons or any foreign substances found in normal tap water. Only additive to this water is 0.17% Potassium Carbonate used as an electrolyte (K_2CO_3) and it is safe and 100% odorless.

Is it safe for children to come in contact with any objects or surfaces that have been cleaned by Super Alkaline Ionized Water?

Potassium Carbonate (K_2CO_3) which is used as an electrolyte to produce SAIW is a substance classified as food additive and is used to rinse Ramen noodles. SAIW does not contain any artificial surfactant nor any other chemicals and it is completely safe for children.

Why does Super Alkaline Ionized Water have strong cleaning power even though its 99.83% pure water?

SAIW is a water with very tiny clusters full of hydrogen. SAIW goes into the spaces between stains and objects, wrapping the stain particles with negative ions and separating the stain particles from the surface of objects. This also explains why SAIW works as a deodorizer, when tiny negative ion clusters of SAIW wrap particles of odor. To further answer the question why SAIW sanitizes, it is simply because of its very high alkalinity which does not allow any germs to survive in that environment.

Any caution for the objects to be cleaned by SAIW?

Anything can be cleaned, sanitized or deodorized by SAIW including all kinds of metals with the exception of raw aluminum and raw copper. Raw aluminum and raw copper are weak against acids and alkalines. Particularly, uncoated aluminum or copper surfaces could change color or become dull in appearance when contacting high alkaline substances. But cleaning such products with SAIW is no problem if cleaning is done quickly under 5 minutes and washed by normal water right after cleaning. For other cautions of usage, please see the information on the product's label.

Is there any damage to the environment when SAIW is drained?

SAIW is nearly 100% water without any chemical substances or surfactant. High alkalinity will be quickly diluted with the water in the drainage and will return to neutral water. On the contrary, almost all types of detergent containing surfactants will damage the aquatic environment and will eventually create unhealthy sludge at the bottom of rivers and oceans.