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HTI NEW DESALINATION PACK IS A BOATING SAFETY NECESSITY

Hydration Technology Innovations (HTI) adds the Seapack Crew to a line of innovative desalination safety products

ALBANY, Ore./SCOTTSDALE, Ariz. (April 23, 2010) - Hydration Technology Innovations, LLC (HTI) has introduced the SeaPack Crew as a new innovation within a line of emergency desalination products. While the popular, traditional SeaPack is a multi-use product that requires a grape nutrient charge, the new SeaPack Crew boasts simplicity of use with no added charge. The single use pouches can be prepared by simply immersing in seawater.

Powered by forward osmosis and HTI's revolutionary membrane technology, the SeaPack Crew provides an emergency hydration drink from saltwater sources. Because the SeaPack Crew utilizes a passive osmotic process, it is by far the easiest desalination technology available, even lending itself to one hand operation in case of injury. The SeaPack Crew comes in a package with three single use pouches that include a tether to secure the product to a life raft. The pouches are portable, compact and will produce a clean drink in as little as 8 hours. A fully hydrated pouch will produce up to 500 ml of lifesaving flavored nutrient drink.

Osmosis is a natural process that involves the passage of water through a membrane due to osmotic pressure generated by a high concentration of dissolved solids on one side. The SeaPack Crew uses sugar to create this osmotic pressure, and water is drawn through the membrane filter to dilute the sugar while the salt molecules are blocked by HTI's membrane. The SeaPack Crew rejects up to 97% of the salt in seawater.

The SeaPack Crew is simple to operate; just secure the tether, open the zip, shake the powder down into the membrane compartment and immerse the single use pouch into seawater. Nature takes over from there, osmotically drawing fresh water through the membrane while rejecting the salt molecules.

Recent US Coast Guard Recreational Boating statistics indicate there were 4,789 boating accidents in 2008 alone, it is clear that it pays to be prepared for any type of

accident or emergency situation. In addition to the life saving hydration provided, boaters, fishermen, aviators and military personnel could also benefit from the important calories the SeaPack Crew delivers in an emergency survival situation. The energy boosting nutrients provided by the SeaPack Crew make it a survival essential for anyone enjoying the sea for recreation or work.

For more information on HTI's suite of personal hydration products, please visit www.HTIwater.com

About HTI's Forward Osmosis Technology

In state-of-the-art plant facilities located in Albany, Ore., HTI manufactures a proprietary forward osmosis membrane material that allows water to migrate through the membrane, powered only by a draw solution on the clean water side of the membrane, leaving behind virtually all contaminants.

Osmosis is a natural process where liquids seek equilibrium when separated by a membrane or the wall of a cell, similar to the way water moves from soil into the roots of a tree. In the forward osmosis process water molecules flow through HTI's membrane, but do so without the need for high pumping pressure found in many traditional filtration systems. Thus, forward osmosis filtration systems use very little energy, are constructed from relatively low cost materials and are capable of filtering highly contaminated dirty water, even those containing high solid concentrations, without plugging. For more information visit www.htiwater.com.

US Coast Guard Statistic

http://www.uscgboating.org/assets/1/Publications/Boating_Statistics_2008.pdf