

**PLYMOUTH TECHNOLOGY AND HAVILAND PARTNER
TO PRODUCE ETHANOL-BASED HAND SANITIZER**



Rochester Hills, Mich. – While sheltering in place over the past few weeks, Amanda Richie, CEO of [Plymouth Technology, Inc.](#) knew her company, which supplies specialty chemicals and application services to many Midwest manufacturing plants, including ethanol manufacturers, could step up and help amid the coronavirus pandemic.

Richie was inspired by several physicians', who were her University of Michigan MBA classmates, dire pleas for more personal protection equipment, including hand sanitizer. Given her expertise in the chemical industry, Richie knew much of the sanitizer shortage is due to the lack of availability of alcohol, a key ingredient.

To help alleviate constraints, the Food and Drug Administration has relaxed its regulations to allow the use of denatured ethanol in hand sanitizer production. Owing to Plymouth Technology's expertise working with ethanol manufactures, Richie and her team, including her husband, Chance, a chemical engineer and Plymouth Technology's chief engineering officer, set out on a frantic path to research and develop a new formula to produce much-needed hand sanitizer utilizing existing manufacturing and alternate raw materials available through the company.



Richie connected with Michael Karasiewicz, CEO of [Haviland Enterprises, a chemical distribution, manufacturing and packaging company based in Grand Rapids, Michigan.](#) Haviland had a small-scale hand sanitizer manufacturing underway since March 27 but became hamstrung by a lack of alcohol for the product formula.

"In less than two weeks we were able to work with Haviland to source the specialty denaturant and utilize our connections in ethanol to source significant volumes of product that will allow us to manufacture weekly batches of hand sanitizer utilizing Haviland's facility in Kalamazoo and Plymouth's facility in Rochester Hills, Michigan," Richie said. "We will donate 25 percent of production to frontline responders. We will continue to produce product as long as feasible and there is a need."

The manufacturing campaign is expected to produce more than 100,000 gallons of hand sanitizer. The balance of the production will be sold at market value in 5 gallon and 55-gallon containers.

Haviland will deliver larger orders and both companies will offer pick up locations for pre-orders. Haviland is located at 421 Ann St NW in Grand Rapids and Plymouth Technology is located at 2700 Bond St. in Rochester Hills. The hand sanitizer will be jointly labeled Plymouth Technology and Haviland Enterprises and will be available beginning the week of April 6.

For east-side Michigan **DONATION REQUESTS**, contact Handsanitizer@ptiwater.com

For all other **DONATION REQUESTS**, contact: Handsanitizer@havilandusa.com

For all **SALES REQUESTS**, contact danb@havilandusa.com

ABOUT PLYMOUTH TECHNOLOGY, INC.

Founded in 1991, Plymouth Technology, Inc. of Rochester Hills, Michigan, provides wastewater, boiler, cooling and reverse osmosis treatment chemicals and feed equipment to manufacturers throughout the Midwest. Plymouth's talented team members solve the most difficult problems in industrial wastewater and are collectively known as the "Wastewater Treatment Experts". Plymouth Technology is a nationally certified Women's Business Enterprise. For more information, visit www.ptiwater.com.

ABOUT HAVILAND ENTERPRISES

Haviland Enterprises, Inc. is a leader in cleaning, plating and anodizing chemistry as well as providing recreational water treatment products (pool and spa chemicals) that are sold throughout the United States. Haviland Enterprises, Inc. was founded by J.B. Haviland in Grand Rapids, Michigan in 1934 and is an employee-owned ESOP company comprised of two divisions, 200+ employees and over 600,000 square feet of manufacturing. Haviland has five manufacturing and warehousing locations throughout the United States including its headquarters in Grand Rapids, MI, with additional manufacturing facilities in Kalamazoo, MI, North Bend, Ohio, and Chandler, Arizona. www.havilandusa.com.