



# CBW SAFE WATER POUCH

## BACKGROUND

Military personnel exposed to potential CBW (chemical and biological warfare) threats must operate while wearing protective clothing throughout the mission. This is a particularly acute problem for aviators and the U.S. Army. Currently, aircrew personnel do not have a CBW resistant means to rehydrate themselves in the cockpit. CBW hardened canteens are available, but limited cockpit space prohibits their use. Furthermore, these canteens are rigid and present an unacceptable hazard to the pilot inside the cockpit. There is a need for a compact, flexible, hands-free CBW hardened water pouch that can fit inside pockets in the aviator's protective ensemble.

## INVENTION DESCRIPTION

Texas Research Institute Austin, Inc. (TRI Austin) has developed a chemical-biological warfare (CBW) resistant water pouch to provide safe drinking water in contaminated environments. The water pouch is designed to fit in a variety of holding devices and interfaces with its low profile mask drinkstraw systems. A two-layer design incorporates a CBW resistant composite for the outer layer and a polyurethane inner layer for superior water potability. This configuration also gives maximum protection against leaks, cuts, and tears.

## MARKET POTENTIAL/APPLICATIONS

The compact, hands-free, CBW resistant water pouch is designed for the stringent requirements of military aviators and ground troops. It is also well-suited for use by DoD personnel and municipal HazMat teams involved in emergency response involving CBW and hazardous materials.



## CBW Safe Water Pouch

A Product of TRI Austin

### Features and Benefits

Approved CBW resistant materials

- Capacity of 2 quarts to 1 gallon
- Multiple configurations
- FDA approved inner layer
- Flexible
- Conforms to AISAP aviators vest
- Collapsible
- Interface with aviator masks
- Reusable
- Incorporates standard drinkstraw
- Highly durable, tear, and abrasion resistant



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TO LEARN IF CBW SAFE WATER POUCH CAN HELP YOU WITH YOUR APPLICATION, CONTACT:

**JOHN BULLUCK**

DIR. MATERIALS DEVELOPMENT DIVISION

Phone: 512.263.2101 ext.103

Fax: 512.263.2558

[jbulluck@tri-austin.com](mailto:jbulluck@tri-austin.com)



9225 Bee Cave Rd., Bldg. B, Ste. 200, Austin, TX 78733 | [tri-austin.com](http://tri-austin.com)