



# Corrosive Substance Response (CSR) Kit

The UK has one of the highest reported rates of acid attacks in the world, with more than 2,000 cases over the past 5 years. According to police sources, around 2 acid attacks a day occurred in the UK last year, including 472 in London alone. Between 2012 and 2016 there was a 500 percent increase in crimes of this type.

First responders have struggled to provide effective first aid to victims – relying on simply pouring water directly from a bottle onto the area which, when using a 1 litre bottle that can empty in around 12 seconds, is ineffective.

The solution to this problem is “Bottleshower”; a UK patented device which enables a constant, steady and controllable flow of water. When used with the same 1 litre bottle, the Bottleshower provides the user with over 1 minute pour time.

**PREVIOUSLY** 1L bottle poured over a victims skin takes just 12 seconds to empty

**NOW** 1L bottle with Bottleshower lasts 1min 10 seconds to empty

*The CSR Kit comes supplied as standard with a 5 litre water bottle, providing over 5 minutes of continuous flow. Other sizes can be supplied.*



### Kit Contents Include

- 1 x Outer storage box supplied
- 4 x Security seals
- 2 x Pairs Chemical resistant gauntlets (M/L)
- 2 x Pairs Protective goggles
- 1 x 5 litre water container
- 1 x Bottleshower attachment



## Turning an ordinary bottle of drinking water into an emergency washing or decontamination solution

Bottleshower is the ultimate aid when using bottled water for chemical and heat burns including sunstroke, wound irrigation and decontamination cleaning for crime scenes. A Bottleshower is essential where a conventional shower is not possible.

### Corrosive Substance Cleaning

When an attack has occurred, the fastest way to reduce injury is to irrigate the affected area to wash away any chemical residue. Using a traditional bottle of water the area is soaked in seconds and it does not provide an adequate method for removing the chemical properly.

### Clever Solution

The Bottleshower can fit any size bottle mouth. This device allows the air to control the flow rate of the water without clogging or stoppage. This allows a steady constant stream of water to be applied to the affected area of the causality.

### Time is Critical

The CSR Kit is now available as a vehicle ready first response solution and has already been supplied to several forces for use in their response vehicle fleets. The kit follows the Home Office "REMOVE REMOVE REMOVE" guidance notes for dealing with corrosive liquid attacks.

### Flow Rate Test Results

A 1 litre bottle of water using the bottle shower lasts approximately 1 minute. The 5 litre bottle of water provided in the kit lasts over 5 minutes to empty. This 5 litre bottle provides a continuous pour without interruption from changing the bottle.

*Bespoke instructions relevant to your police force can be added to the kit. We also supply evidential kits for recovering items at the scene.*

### Protect the Victim

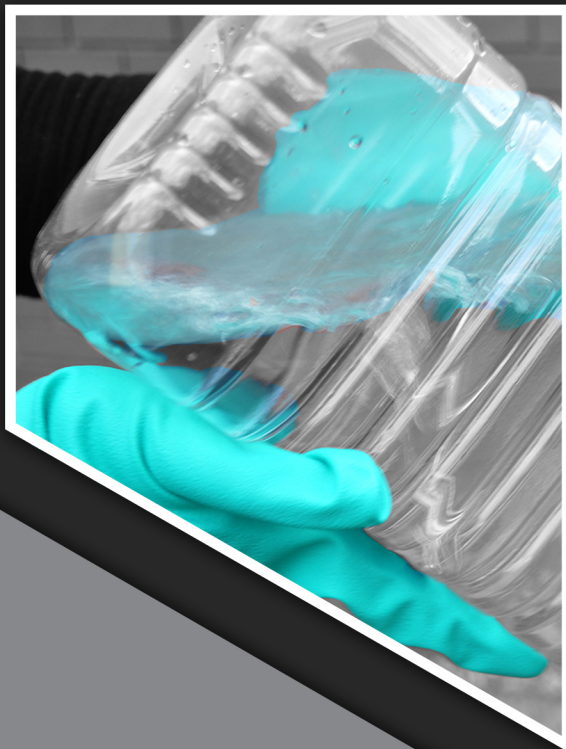
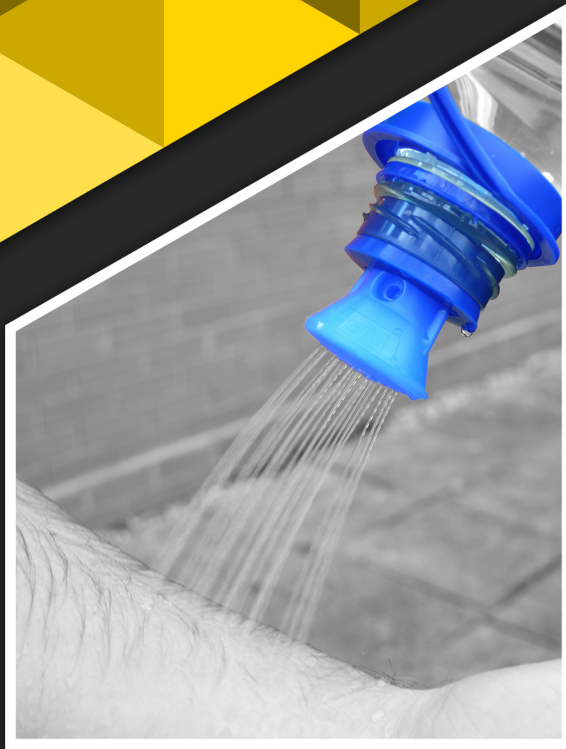
The CSR Kit is designed for immediate deployment in the event of suspected deliberate or accidental exposure to a hazardous substance (be it vapour, powder or liquid) or 'acid attacks'. Each component has been designed to provide a rapid and simple to use first response to provide effective first aid in line with Home Office guidance.

### Protect the First Responder

Corrosive substances can be harmful to others post incident, so it's important to protect those offering assistance to the casualty from secondary burns. The CSR Kit addresses this need by providing CE approved protective clothing suitable for use with chemicals.

### Protect and Recover

The CSR Kit box is designed to house all articles collected at the scene and to transfer to a secure area where they can be potentially examined and destroyed. This prevents any other persons coming into contact with the materials that have been contaminated or used in the response protocol.



## REMOVE REMOVE REMOVE



### REMOVE THEMSELVES

...from the immediate area to avoid further exposure to the substance. Fresh air is important.

If the skin is itchy or painful, find a water source.



### REMOVE OUTER CLOTHING

...If affected by the substance. Try to avoid pulling clothing over the head if possible. Do not smoke, eat or drink.

Do not pull off clothing stuck to skin.



### REMOVE THE SUBSTANCE

...from skin using a dry absorbent material to either soak it up or brush it off.

RINSE continually with water if the skin is itchy or painful.