Corrosive Substance First Aid Kit

The contents of the below kit have been signed off by the Metropolitan Police Service physical and threat mitigation scientists following various tests. The kits have also been approved by our Clinical Governance Group, fleet services and Strategic H&S board.

KIT CONTENTS:

Water - This was ordered through our own catering suppliers however, each borough is now obtaining this from local wholesalers / cash and carry.

Boxes - PLASTOR PLAS21/Black/Red Box price is £5.90 per box for 1000 units from PLASTOR. PLASTOR is one of the MPS' suppliers of various equipment. The boxes are suitable that waste from a scene, contaminated items can be put into the box post incident. The MPS arrange removal through their current haz mat agreements. Tamper proof seals were also bought from them to seal the boxes prior to use (Boxloc BL01 Yellow @ £15.00 for 500).

Gloves - ARCO 14A0605 ARCO Chemical Green Nitrile L box of 12 (@ £29.19 per box). These gloves must be EN374:2003 K&L rated to provide suitable chemical resistance (these ones are JKL rated) and cost £1.05 per pair. The gloves are of a gauntlet style and reach half way up the forearm to provide greater coverage than gloves, particularly when officers wear short sleeves. Any supplier for this type of gloves can be used but MUST be EN374:2003 K&L rated. We had issues using current suppliers of these and so ended up ordering from the following web site, however there are many more suppliers of suitable gloves – https://www.justgloves.co.uk/Household-Rubber-Gloves/Flock-Lined-Nitrile-Gauntlets

Goggles - JSP AGF020-301-300 (@ £1.72 each). There are several suppliers of these but MUST be EN166 1B3.4.9.b. rated.

Bottleshower attachment – This product is an attachment likened to a shower head is attached to a bottle of water to give officers 6 to 10 litres of usable water from a standard 1 litre bottle of water. Following a meeting with Tim Jeffrey, a special device for a 5 litre bottle was created and is now in use across the MPS. These items and contact with Tim can be made via his website –

http://www.bottleshower.com/

In relation to Bottleshower, they have actually been used "in anger" on the frontline to a victim of an attack. I am pleased to say the results of this, are amazing with our ambulance service not requiring the victim to attend hospital due to the aid given by the officer by using bottleshower. I have included an extract below of the email from the officer who used the equipment :

"Upon arrival at scene, another unit was already treating a male who had been stabbed in the Subway store, I was directed into Downtown Pizza, which was next door.

Staff in the venue informed me two males had entered the store and sprayed a substance they believed to be acid at two customers, both of which had fled the scene. However, some of the unknown liquid had caught a staff member. This male was holding a wet cloth to his face.

I went to the car and took out the acid kit, this was the first time I had cause to use or even open one of these kits, and so was unsure as to what actually amounted to a kit.

Initially I took the two bottles of water and handed them to my colleague to flush the affected area as per instructions we received in a recent London Fire Brigade briefing and my first aid at work training. Having removed the water from the box I saw a tap like item, this had a blue lid with a clear tube coming from the bottom, and I remembered receiving an email out in relation to this.

I removed the bottles from my colleague and using the four simple instructions attached to the tap, I fitted it to the bottle, this was extremely easy to fit and dare I say idiot proof. We then poured the water through the tap onto the male's face, flushing the affected area. The tap was extremely effective, it allowed us to concentrate the water on the affected area instead of saturating the victim and losing a lot of the water onto the floor etc. The flushing of the affected area is imperative in the initial treatment of an acid burn. We repeated this with both of the bottles. The use of the tap was so effective, the London Ambulance Service were happy with treatment and deemed the male fit in not having to attend A&E.

Without the tap the male would have needed further care at hospital, and the flow of the water would not have been focused on the area it was needed, we were able to stem the flow and give the male the best possible treatment in the first instance."

Advice sheets - These are sheets that were designed by an officer and have been ratified by our CBRN team. The advice has been circulated across the MPS on daily briefings and is on our intranet site and is something being covered in our current round of first aid training.

As you can see from the list of equipment and images, many of the items can be sourced locally but the safety levels which have been set following testing within London should be followed.

Images of Corrosive Substance Kit:

MPS, 30th October 2018