Compact Rescue Stretcher

THE NEED

Disaster and catastrophe such as earthquake, tsunami, flash floods and typhoons as well as accidents bring despair and human suffering. They may exacerbate vulnerable conditions and exceed individuals’ and communities’ means to survive. The injured and disabled are forced to evacuate to safer areas. In such cases, urgencies lie in the rescuers and communities to respond rapidly to urgent needs of evacuating these people before, during or after the disasters.

The Compact Rescue Stretcher is designed as an emergency foldable stretcher for use in emergency response and disaster situations, camping hunting and other outdoor activities. The product made of canvas material with fire retardant layer can also be used to escape fire in a building and is very useful for emergency evacuation of disabled people and injured patients. It is suitable for evacuation of patients from a building where elevators are not available as well as to carry patients in hospitals. The stretcher comes in a folded compact package, making it convenient for carriage and storage in an ambulance or at home.

The stretcher weighs at about 2 kg, which is 60% less than a conventional stretcher. It can bear a maximum of 220 kg load and is configured to be carried by two or four people to reduce the burden of weight.

During an emergency, the stretcher does not require any particular assembly or preparatory operation. If necessary, the rescuer may use props that are available in the house such as broom or mop sticks. The props can be twined at the handle of the stretcher. A graphical form of instruction is printed with glow in the dark dyed pigment, which is clearly displayed on the stretcher for information.

The product comes with a fixed blanket to cover the patient’s body and for safety assurance during transportation. Parts of the blanket can be used for support to immobilise bone structure. A minimal first aid kit is fitted in a small compartment.

MARKET POTENTIAL

Compact rescue stretcher is suitable for parties as follows.

- Families living in flats, apartments and condominiums
- Government and private owners of commercial and offices in tall buildings, housing developers, construction sites and insurance companies
- Ministry of Health, Ministry of Defence and Department of National Service Training
- Red Cross, Red Crescent Society
- United Nation Relief NGOs and safety conscious individuals
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