

**GENERAL****Decon-Shield**  
**Model: NKSPDS005**

Nor E First Response, Inc.  
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 Nor E First Response pamphlet  
**Status:** The vendor has responded—10/4/2006

**Unit Cost:** \$315 for single kit (10 U.S. gal); \$2.2K for bulk (2000 U.S. gal)  
**Availability:** No longer available from Nor E  
**Current Users:** Not specified

**Category: Commercial Decontaminant****Type:** Liquid—biocide**Description:** Decon-Shield comes in concentrate used as hyper-wetting fog or spray, destroys all BW organisms including weapons grade anthrax, and all other single celled organisms such as Golden Staph, Klebsiella, fungi, and viruses, etc., via a minute positive charge**Decontamination Process:** Mechanical decontamination**Application****Personnel decontamination****Equipment decontamination****Infrastructure decontamination****Application Notes:** Personnel and thorough decontamination in hospitals

Equipment decontamination—CBR hardened items, non-CBR hardened items, sensitive items

Infrastructure—confined spaces, open areas, and soil/terrain. Also vehicles, machinery, and vegetation.

**Testing:** Battelle Memorial Institute (Decon-Shield and 5 % HTH were effective in reducing viable B. anthracis Ames spores where both exhibited log reductions of >8.09")

U.S. Army Dugway Proving Grounds [Decon-Shield effectively killed wet or dried anthracis simulant)

**OPERATIONAL PARAMETERS****Materials Decontaminated:** CB agents**Chemical Agents:** Sulfur mustard**Bio Agents:** All BA organisms including weapons grade anthrax, and all other single celled organisms such as Golden Staph, Klebsiella, fungi, viruses, bacterial spores, and toxins, etc. Because it is mechanical action that kills micro-organisms, they cannot mutate into resistant forms of the biocide, even after prolonged use of the biocide.**TIMs:**

- High Hazard:** None
- Medium Hazard:** None
- Low Hazard:** None

**Rad/Nuc Materials:** None**Decontamination Solutions:** Noncorrosive, biodegradable bactericide, fungicide, and sporicide. Decon-Shield contains a hyper wetting agent, 100 times wetter than water, to rapidly break the surface tension of cell membranes and bio film to deliver the active biocide.**Capacity Throughput:** 20 L (5.28 USG) of product covers 600 m<sup>2</sup> (718 m<sup>2</sup>) or 4000 m<sup>3</sup> (5232 yd<sup>3</sup>) of general air space. Completely neutralizes Type A Botulinum in 60 s.**Set-up Time:** Not specified

## PHYSICAL PARAMETERS

**Size:** 46 cm x 46 cm x 30 cm (18 in x 18 in x 12 in) for 1 kit (box)

**Weight:** 6.8 kg (15 lb)

**Power Requirements:** Not specified

## LOGISTICS

**Portability:** Handheld

**Consumables Required:** Decontaminant

**Maintenance Required:** Not specified

**Maintenance Cost:** Not specified

**Use/Reuse:** Cannot be cleaned and reused

**Shelf Life:** Decontaminate  $\geq 1$  yr. When mixed ready to use, the solution remains fully effective for 7 d.

**Storage Conditions:** Not specified

**Durability:** Not specified

**Environmental Conditions:** Not specified

**Environmental Considerations:** Safe to use, nonflammable and chemically stable. Contains no heavy metals or pesticides.

**Resources:** Kit can be prepared by a single responder

**Warranty:** Not specified

## SPECIAL PARAMETERS

**Operator Skills Required:** No training required

**Operator Training Required:** No training required

**Training Available:** Not specified

**Manuals Available:** Manuals are available

**Support Equipment:** Not specified

**Applicable Regulations:** All products are DOT compliant