

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 hog 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 m² (718 m²) or 4000 m³ (5232 yd³) 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 ≥ 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