

DECON
SEVEN
SYSTEMS



D7-BDAS

Feature	Product Specification
Size	BDAS-0400 - 14.5oz (430ml)– 6.6" (167.5mm) Width x 2.3" (59mm) Depth x 13" (330mm) Height <u>Future Production:</u> BDAS-0600 - 22.0oz (650ml) – 6.6" (167.5mm) Width x 2.3" (59mm) Depth x 16.2" (412mm) Height BDAS-0800 - 29.5oz (875ml)– 7.7" (196mm) Width x 3.0" (76mm) Depth x 13.8" (350mm) Height
Intended Use	Decontamination of biologic agents including: <i>B. Anthracis</i> - Ames-RIID, <i>B. anthracis</i> – ANR-1, and <i>Y. pestis</i> – (ATCC 11953) Decontamination of chemical agents including: HG, GD, VX Decontamination of human excretions including: Urine, Vomit, Feces, Blood and other Bodily Fluids
Decontamination Time	Minimum of 10 minutes after sprayed and coated. *Direct contact required for decontamination
Propellant	NA / Bag on valve cans pressurized with nitrogen
Safety Mechanism	Pull safety to release trigger and dust cover to expose nozzle for spraying
Spray Type	Selectable: Directed Stream or Course Wet Spray
Coverage Area	Approximately 25 sq ft (2.3 m ²) course wet spray on hard nonporous surface
Spray duration	Approximately 40 seconds on stream spray Approximately 60 seconds on course wet spray
Maximum Stream Distance	15 ft (4.6m) fully charged
Maximum Spray Diameter	16 in (0.4m) diameter @ 3 ft (0.9m) distance (fully charged)
Operating Conditions	Up to 140°F (60°C) for limited time Down to 32°F (0°C) for limited time
Storage Conditions	50° – 100°F (10° – 38°C)
Handedness	Ambidextrous squeeze trigger
PART 1	Quaternary Ammonium Compounds, Benzyl-C12-C16 Alkyl Di-methyl Chlorides: CAS : 68424-85-1 5.5-6.5%
Boiling Point	200°F (93°C)
Freezing Point	26°F (-3°C)
PH	10.5 – 10.7 (Finished blend, 9.6-9.9)
Color / Odor	Clear, pale yellow liquid / Sweet, Soapy
Can Size	200ml / 300ml / 400ml
Can Pressure	140 psig @ 60°F (15.5°C) filled with Nitrogen
PART 2	Liquid Hydrogen Peroxide; CAS: 7722-84-1 <8.0%
Boiling Point	210°F (100°C)
Freezing Point	32°F (0°C)
PH	2.0 – 3.0 (Finished blend, 9.6-9.9)
Color / Odor	Colorless Liquid / None
Can Size	200ml / 300ml / 400ml
Can Pressure	140 psig @ 60°F (15.5°C) filled with Nitrogen
PART 3	Diacetin; CAS: 25395-31-7 30-60%
Boiling Point	280°F (138°C)
Freezing Point	NA
PH	Neutral
Color / Odor	Colorless Liquid / Solvent Odor
Can Size	30ml / 50ml / 75ml
Can Pressure	140 psig @ 60°F (15.5°C) filled with Nitrogen
Order of operations	- Identify hazardous material target - Remove BDAS decontaminant from pouch or holder - Assure Safety is in place (Do not use a system that is missing or has had the safety or dust cap removed – unable to assure appropriate spray volume or distance) - Select Spray type (Rotated to Left is stream / rotated to Right is course wet spray) - Pull safety and remove dust cap (Safety and dust cap is not replaceable) - Aim nozzle at hazardous material - Squeeze trigger to start spray (Full stream spray will last for approximately 40 seconds) - Sweep across hazardous material coating evenly (can start and stop spraying to coat evenly 14.5oz (430ml) system can coat up to 25 sq. ft. (2.3m²)) - Wait a minimum of 10 minutes before material will be decontaminated - When system has been used or is empty dispose

For more information contact:

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