

**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<br><b>Future Production:</b><br>BDAS-0600 - 22.0oz (650ml) – 6.6" (167.5mm) Width x 2.3" (59mm) Depth x 16.2" (412mm) Height<br>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: <b><i>B. Anthracis</i> - Ames-RIID, <i>B. anthracis</i> - ANR-1, and <i>Y. pestis</i> - (ATCC 11953)</b><br>Decontamination of chemical agents including: <b>HG, GD, VX</b><br>Decontamination of human excretions including: <b>Urine, Vomit, Feces, Blood and other Bodily Fluids</b>  |
| Decontamination Time    | Minimum of 10 minutes after sprayed and coated.<br>*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              | <b>Selectable:</b> Directed Stream <b>or</b> Course Wet Spray  |
| Coverage Area           | Approximately 25 sq ft (2.3 m <sup>2</sup> ) course wet spray on hard nonporous surface  |
| Spray duration          | Approximately 40 seconds on stream spray<br>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<br>Down to 32°F (0°C) for limited time   |
| Storage Conditions      | 50° – 100°F (10° – 38°C)   |
| Handedness              | Ambidextrous squeeze trigger   |
| <b>PART 1</b>           | Quaternary Ammonium Compounds, Benzyl-C12-C16 Alkyl Di-methyl Chlorides:<br>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  |
| <b>PART 2</b>           | Liquid Hydrogen Peroxide;<br>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  |
| <b>PART 3</b>           | Diacetin;<br>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     | <ul style="list-style-type: none"> <li>Identify hazardous material target</li> <li>Remove BDAS decontaminant from pouch or holder</li> <li>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)</li> <li>Select Spray type (Rotated to Left is stream / rotated to Right is course wet spray)</li> <li>Pull safety and remove dust cap (Safety and dust cap is not replaceable)</li> <li>Aim nozzle at hazardous material</li> <li>Squeeze trigger to start spray (Full stream spray will last for approximately 40 seconds)</li> <li>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. (2.3m<sup>2</sup>))</li> <li>Wait a minimum of 10 minutes before material will be decontaminated</li> <li>When system has been used or is empty dispose</li> </ul> |

**For more information contact:**

Decon7 Systems, LLC  
480-339-2858  
[www.decon7.com](http://www.decon7.com)