

DF200

CBRNE - HAZMAT



BWA

CWA

NTA

TIC

**Radiological &
Nuclear Particles**

BROAD SPECTRUM DECONTAMINANT CBRNE

Non-toxic, biodegradable, noncorrosive aqueous foam with enhanced physical stability for the rapid mitigation and decontamination of chemical and biological warfare agents.

The formulation is based on a surfactant system to solubilize sparingly soluble CW agents and to increase rates of reaction with nucleophilic reagents. The formulation is the first known to be effective on **CWA, BWA, TICs, and NTAs**.

DF200 is effective in the disintegration of dirt. Its effectiveness as a foam in removing radiological particle is over 90%.

MECHANISM OF ACTION

- 1 - Physically denatures bacterial spores via a surfactant boring holes in their protein shell armor
- 2 - Oxidizing agents attack the genetic material (DNA) within the spore
- 3 - Hydrolyzing agents attack vital bacterial spore contents and functions

**NO BIOLOGICAL PATHOGENS
CAN BE IMMUNE TO IT**

BENEFITS

- Fast onset of action
- Bio-degradable by products
- Air and surface environments treated
- Non hazardous under DOT and IATA regulations
- High log-kill
- Not ITAR regulated
- Antimicrobial inhibition
- Cost effective
- Non-toxic once applied

NO RESIDUAL EFFECT ON THE ENVIRONMENT

DF200



Small-scale foam system



Large-scale foam system



Indoor Foam Application



Medium-scale foam system



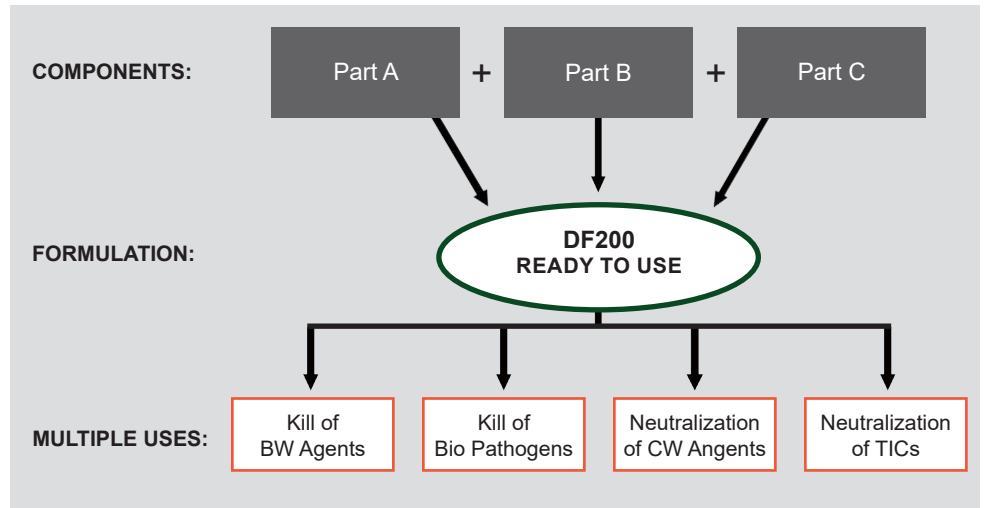
Fog/Mist Application



Liquid Spray Application

VERSATILE COMPOUND

DF200 kills vegetative biological agents as well as difficult-to-kill spores like anthrax. Similarly, it can treat both easy-to-oxidize pollutants (iron and sulfites) and difficult-to-oxidize pollutants (solvents, gasoline, and pesticides) as well as immediately reducing the flammability.



**7-LOG KILL ON ANTHRAX SPORES
AFTER A 15 MINUTES EXPOSURE**

SINGLE DECON SOLUTION

- Rapidly deployed
- Mitigation of agents can be accomplished in bulk, aerosol, vapor, or foam
- Exhibits minimal health and collateral damage
- Requires minimal logistics support
- Minimal run-off of fluids
- Non toxic to the environment and animals
- High expansion rate making it logistically desirable
- Contact times can reasonably be determined

Advanced Decon Technologies is a privately owned company manufacturing the future of non-toxic biodegradable chemical products.

Advanced Decon Technologies provides turnkey answers to pathogen-generated biological and chemical threats.

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