

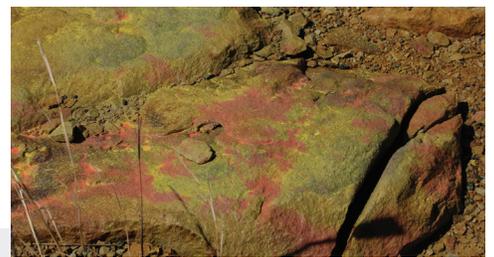


## CHEMICAL AGENT DISCLOSURE SPRAY

# FLIR Agentase™ C2

The FLIR Agentase C2 agent disclosure spray is the most sensitive point detector for chemical nerve agents (G- & V-series) and sulfur mustard (HD). It uses colorimetric technology to reveal the exact location of Chemical Warfare Agent (CWA) contamination on a surface at sub-microgram (trace) levels within five minutes. Once applied to a surface, the standard aqueous spray changes color from yellow to red to indicate the presence of a CWA threat. The color change reveals the exact location of the agent contamination, making the invisible threat visible. An optional fluorescent additive enhances the visual response when used in poor lighting conditions with an ultraviolet (UV) light. Easy to use Confidence Check Cards are available to verify reconstituted spray is operational and performing according to specifications. During the early stages of consequence management, Agentase C2 can be used to detect trace-level contamination before long-term exposure causes harm or loss of life. As part of the decontamination process, it reveals specific hot spots, enabling users to focus and reduce the amount of decontaminant used, lowering costs up to five-fold.

[www.flir.com/agentaseC2](http://www.flir.com/agentaseC2)



### MOST SENSITIVE CHEMICAL POINT DETECTOR AVAILABLE

- Detects sub-microgram levels of chemical nerve agents (G- & V-series) and sulfur mustard (HD) within five minutes
- Reveals exact location of agent on surfaces using enzyme-based colorimetric technology
- Yellow color on a surface indicates the absence of chemical agents; red color on a surface indicates the presence of a CWA threat

### COMPLEMENTS OTHER CHEMICAL SENSING TECHNOLOGIES

- Detects trace-level contamination, allowing for early deployment of counter measures and evacuation before long-term exposure causes harm or loss of life
- Complements electronic sensors by providing the ability to map chemical agent contamination for emergency response missions, as well as aid in the decontamination of personnel or equipment after exposure to CWAs
- Non-destructive spray allows for sample extraction and analysis via GC/MS during forensic investigations

### MULTI-PURPOSE AND EASY TO USE

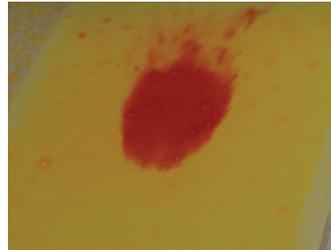
- Two applicator sizes tailored to mission requirements
- Confidence Check Cards available for training & agent formulations (G- & V series; HD)
- Optional fluorescent additive enables it to be seen with UV-light in challenging light conditions
- Optional cold weather additive expands the mission into colder environments
- Training completed in less than one hour

## SPECIFICATIONS

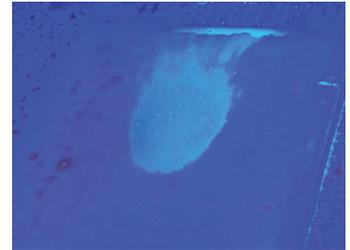
| General               | Agentase C2   |
|-----------------------|---|
| Technology            | Enzymes   |
| Sampling & Analysis   |   |
| Sample Introduction   | Spray directly onto surface   |
| Sample Phase          | Surface-based detection   |
| Threats               | Enzyme formulations include: nerve agent (V- & G-series) and blister agent (HD); training disclosure spray also available   |
| System Interface      |   |
| Sampling & Analysis   | Detection within 5 mins   |
| Display & Alerts      | Colorimetric sensor response; Standard nerve agent and training spray is yellow when applied to a surface and surface changes to red within 5 mins if contaminated; blister agent spray is applied red and changes to yellow if clean but stays red if contaminated; forensic spray is translucent when applied and contamination is visible under UV-light |
| Fluorescent Additive  | Enhances visual response of standard spray under challenging lighting conditions or surfaces when used with UV-light  |
| Training Requirements | <1 hour; no special skills required   |
| Cold Start Time       | <3 mins   |
| Environmental         |   |
| Operating Temp        | Nerve agent and training formulation: 32 to 113 °F (0 to 45 °C); blister agent formulation: 23 to 113 °F (-5 to 45 °C)  |
| Cold Weather Additive | Lowers operating temp of nerve agent and training formulations to -4 °F (-20 °C)  |
| Operating Humidity    | 0-100%  |
| Operating Conditions  | The response may be read under white light (standard) or UV-light (fluorescent additive)  |
| Surface Compatibility | Large variety of materials, won't degrade sensitive surfaces  |
| Storage Temp          | Store at room temp out of direct sunlight; product expiration is indicated by temp/time indicator on packaging  |
| Water Source          | Handheld applicator: water included; large-scale consumable: tap water ≤250 ppm calcium carbonate and treated for chlorine (chlorine treatment included)  |
| Life Expectancy       | 12 hr operational pot-life once prepared; 8 hrs at 104 °F (40 °C); shelf-life 5 yrs when stored below 77 °F (25 °C)   |
| Waste                 | Dispose in accordance with local policies for non-hazardous aqueous waste   |

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

| Physical Features | Handheld Applicator   | Large-Scale Consumable Kit        |
|-------------------|-----------------------|-----------------------------------|
| Weight (Full)     | Max 1.2 lbs (0.54 kg) | 2.6 lbs (1.2 kg)                  |
| Spray Volume      | 0.5L                  | 2 Gal                             |
| Surface Coverage  | 5-7m <sup>2</sup>     | 75-120m <sup>2</sup> , 2-3 HMMWVs |
| Setup Time        | <5 minutes            | <15 minutes                       |



Standard Spray: yellow when applied, red contaminant indicator visible under ambient Light



Standard Spray with Fluorescent Additive: contaminant visible under UV-light



Confidence Check Cards available for Training, G&V-Series and sulfur mustard Agentase C2 spray formulations



Confidence Check Card detection indicating disclosure spray is ready for use

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