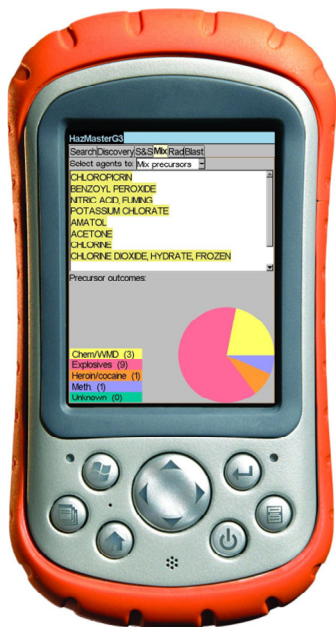


# **HazMasterG3<sup>®</sup>**

## **State of the Art HazMat / CBRNE / IED Response**

### **U.S. DHS Certified • Designated Anti-Terrorism Technology**

HazMasterG3<sup>®</sup> version 11 integrates 118,000+ chemical, biological, radiological agents, trade names, explosives and IEDs with extensive threat identification capabilities into a fast and easy to use decision support system. HazMasterG3<sup>®</sup>'s capabilities include advanced tools for bomb technicians, Tier 2 pre-plan support for 60,000+ facilities nationwide for fire, HAZMAT and USAR needs, modeling for precursor outcomes, chemical reactions, and advanced agent-identification capabilities for a broad range of unknown threats - key for terrorism response. HazMasterG3<sup>®</sup> delivers unrivaled analytical tools and accredited guidance to all emergency responders - from planning through response, in an integrated, extremely fast and simple to use system.



MILSPEC 810F model shown  
(other configurations available)

Patent Pending Technology

HazMasterG3<sup>®</sup> delivers critical response guidance for 118,000+ chemical agents (TICs, TIMs, CW agents), bio-weapon and bio-terror agents, and nearly 4X more radioactive isotopes as other legacy systems.

- ID broad range of agents via observed physical properties. Patent Pending signature library of 780,000+ attributes identifies materials in <3 seconds.
- ID unknown agents via observed medical signs and symptoms.
- ID chemical reactions. Virtually mix agents, model their chemical reactions.
- ID dual-use precursors; mix them and instantly model probable outcomes.
- ID isotopes using HazMasterG3<sup>®</sup>'s advanced nuclide identification capability, when used in conjunction with supported survey equipment.
- ID complex IED threats and provide immediate on-scene response guidance.
- ID 7,000+ varieties of commercial/military detonators.
- ID road, rail, and intermodal container hazards.
- 200+ fields containing physical properties, working allowances, reactivity, AEGs, MEGs, LOCs, etc. makes HazMasterG3<sup>®</sup> the most comprehensive mobile Chemical Agent Risk Assessment Tool (CARAT<sup>™</sup>) available.
- First aid recommendations for chemical, biological, and radiological events, incorporating extensive, government accredited response guidance.
- Agent-specific chemical protective clothing, respirator recommendations, graphical isolation guidance, health, reactivity hazards and much more.
- Tactical Tier 2 plan integration for 60,000+ facilities nationwide.

### **Law Enforcement / Forensics**

- HazMasterG3<sup>®</sup> lets you virtually mix chemical agents to model probable reactions.
- Instantly ID an extremely broad range of dual-use precursors and their typical industrial uses/processes.
- Mix unlimited agents to predict the most probable dual-use precursor outcomes.
- Evidentiary-quality, date/time stamped accountability of all actions/decisions and operator comments.

### **Comprehensive IED Response Capabilities**

- 160+ IEDs and explosives – 3X more than other systems; easily handles complex IED threat scenarios, far surpassing legacy military or civilian tactical decision aids.
- Mix HME agents to model explosive reactions, probable dual-use precursor outcomes, along with protective actions and extensive response procedures for traditional explosives and so-called chemical bombs.
- Blast effects consequences – for both planning and on-scene forensics.
- Breaching calculator.
- X-Ray and Disrupter setup working aides and timing calculators.
- ID 7,000+ varieties of commercial/military detonators with integrated visual reference aids.
- Improvised trigger component identification for nearly 10,000 components and integral reachback capability.
- Resistor decoder and four other common circuit calculators.

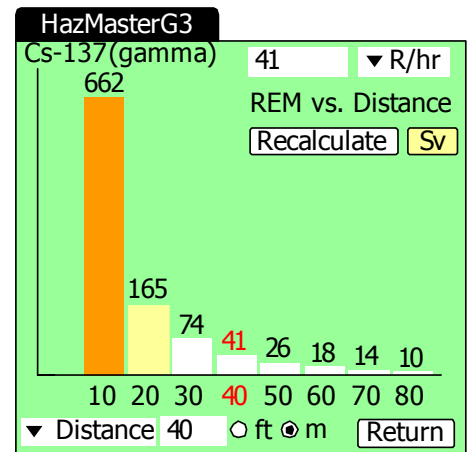
**Alluviam LLC**

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# HazMasterG3®

## WMD / Military / Radiological / Biological / Nuclear Response

- HazMasterG3® is the only system capable of identifying unknowns, whether accidental or terrorism.
- Integrated Military Exposure Guidelines (MEGs) for contaminants and CW agents in air, water, and soil.
- Improvised Nuclear Device (IND) stand-off distances, stay-times and fatality calculator.
- Only DoD COE/JTA compliant mobile CBRNE decision support system available.
- Atomic mass, activity, emissions, decay chains, industrial uses, and risk levels.
- Isolation distance/dose/fallout/half-life graphical advisories with support for survey equipment inputs.
- Dosimetric specific signs/symptoms of radiological exposure, first aid and treatment recommendations.
- Comprehensive guidance for a broad range of bio-warfare and bio-terror agents.
- Extensive target package capabilities.



## Compatibility

- International/maritime operations: units of measure in both US and international units; decodes EAC, HIN, APP, PG and UN Hazard codes; trade names in German, English, French, Spanish, Italian and Dutch.
- Wirelessly communicate pre-plans or response guidance in HazMasterG3® to other systems.
- Seamless integration with FieldSoft's AIMScene™ Incident Command Software.
- Only RAE approved system with support for RAE 9.8, 10.6 and 11.7 eV PIDs.
- NIMS and ICS compatible, plus inject data into USMTF or other civilian reporting systems.
- DoD COE/JTA compliant solution; can run on any platform that supports HPAC 4.0 or later.
- Train once, deploy anywhere (cell phones, handhelds, vehicle mounts, laptops/desktops -- full capabilities).



## Bonus features

- Load and share pre-plans from libraries of existing pre-plans, or customize them for your own scenarios.
- Time-stamped, high-resolution accountability, key for pre- and post-event training and evidentiary uses.
- Extensive unit conversion capability.
- Glossary of commonly used HazMat / CBRNE terms and phrases.
- Consistent and immediate access to ERG 2004, EMS signs/symptoms, first-aid and decon recommendations.
- HazMasterG3® is the only decision support system capable of identifying unknown chemical and radiological agents -- critical for terrorism response.
- More hazardous agents, response guidance and accredited SOPs than any other mobile system.
- Reach back capability for 2,000,000+ materials/trade names.
- Customization – add your own forms, checklists or SOPs to the system, or link them to specific agents.
- Works with HazMapper™, to display CBRNE threats, ALOHA and HPAC plumes and other GIS overlays on GPS-based street/satellite maps with integrated Google Earth imagery support.

Only HazMasterG3 work with...

