





PEPPERBALL

Delivery System

- Pepper balls are very similar to paintballs, but they are filled with organic resin called oleoresin capsicum (or OC), which is derived from peppers.
- It's the same type of irritant used in pepper spray and comes in powder or liquid form. It also has the capability to deliver kinetic impact.
- PepperBall projectiles are designed to break and release the irritant.
- The powder cloud released by projectiles provides advantage when confronting suspects out of view.



PEPPERBALL DEFINED

NON-LETHAL chemical agent delivery system that uses **HIGH-PRESSURE AIR** (large capacity hoppers), and **CO2** (limited capacity magazines) to deliver **PAVA powder PROJECTILES** from a safe distance.

- Combines agent exposure with kinetic impact and pain.
- Effective on individuals as well as large groups of people for riot and crowd control.
- Used very similar to paintball systems.

PEPPERBALL PAVA



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- PAVA is one of six capsaicinoids found in pepper plants.
 - PAVA is one of the hottest capsaicinoids and is an amide of Pelargonic Acid and Vanillyamine (thus, PAVA).
 - PepperBall® products contain only purified non-oil-based PAVA.
 - PepperBall PAVA is produced at a pharmaceutical grade
 - PAVA is also used in Tabasco sauce, spice packs and cooking oils.
 - PepperBall PAVA is non-Flammable

PEPPERBALL ADVANTAGES



- Multiple projectiles, one platform.
- Measurable and specific targeting.
 - Controlled application
 - Specific area saturation
- Fewer officers can control large numbers of suspects (force multiplier).
- Quick recovery from PAVA powder.
- Can be used to deny access or egress to specific areas.
- Allows officers to maximize time and distance to ensure safety.

TRAINING ISSUES / OFFICER INJURIES



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- Non-compliant, uncontained and / or violent armed suspects cause handling and control problems that officers are not equipped to resolve, outside of deploying “Deadly Force.”
 - In resolving such incidents, officers get injured when they become too close, too fast in their attempt to resolve the incident.
 - When other less than lethal options are deployed, results can cause injuries that lead to lawsuits.
 - The PepperBall impacts a target with only 10 - 18 feet per pound (VKS launcher) of kinetic energy, the same as a paintball, rather than the typical 120 feet per pound of beanbags.

The flexibility of the PepperBall system is one of its greatest attributes.

PATROL APPLICATIONS

- Armed Attacker
- Barricaded Suspect
- Suicide-by-Cop
- Area Denial
- Building/Field Searches
- Vehicle Standoff
- High-Risk Warrants
- Event Security VIP Security
- Animal Control
- Force on Force Training

Used as a tool in De-Escalation Tactics that is non-lethal.



PEPPERBALL ADVANTAGES



- Same aiming point as regular firearms.
- Irritant exposure & Kinetic impact.
- Irritant is effective when suspect is hidden or not in view.
- Ability to escalate or de-escalate force as appropriate.
- **Safe** at Point-Blank Range.
- **Accurate** – No Recoil.
- **Non-Lethal.**
- **No deaths or serious injuries.**
- No judgements levied against PepperBall (reduces liability).