Enforcer Systems Australia Pty Ltd
Unit 3a, 50a Princes Highway,
Eumemmerring VIC 3177 Australia

P: 1300 310 000
E: info@enforcersystems.com.au
ABN: 66 636 300 859

CPM PARTICULATE DEPLOYMENT SYSTEM
Safety & Combustibility Statement

Overview

The CPM (Compressed Particle Module) system is an **active security protection technology** designed to rapidly deploy a dense particulate barrier within a protected environment to deter and suppress intruder activity.

This document outlines the **combustibility characteristics, operational safety, and environmental behaviour** of the CPM-generated particulate.

---

1. Nature of the Generated Particulate

The CPM system produces a **dense airborne particulate cloud** composed of **non-volatile, solid particles** derived from compressed organic material.

Key characteristics:

- No flammable liquids or pressurised gases are released into the environment
- No vapour-phase fuel or aerosolised combustible solvent is generated
- The particulate is **non-volatile** and remains in solid form during and after deployment

---

2. Combustibility Profile

Under normal operating conditions and intended use:

- The CPM particulate is **non-flammable**
- The generated cloud **does not support flame propagation**
- The system **does not create a combustible or explosive atmosphere**

This is due to the absence of:

- Flammable vapours or gases
- Atomised combustible liquids

---

3. System Operating Conditions

The CPM system operates using:

- **12V DC system power** (via alarm system and backup battery)
- **5V low-voltage ignition system** (proprietary tungsten filament design)
- **Ambient temperature deployment** (no high-heat vaporisation or thermal fogging)

The deployment mechanism relies on a **controlled ignition process and naturally induced internal pressure** combustion-driven dispersion. Not an explosive charge system.

---

4. Comparison to Common Combustible Smoke Environments

Combustible smoke conditions (e.g. from wood fires) typically involve:

- Unburnt hydrocarbons
- Flammable gases and vapours
- Oxygen-deprived combustion environments capable of backdraft or flashover

The CPM system **does not replicate these conditions**, as it:

- Does not generate unburnt fuel gases
- Does not rely on incomplete combustion
- Does not produce a fuel-rich airborne mixture

---

5. Safe Use Statement

When installed and operated in accordance with manufacturer specifications:

> The CPM system **does not present a combustion hazard** and **does not introduce a flammable atmosphere** into the protected space.

---

6. Limitations and General Safety Considerations

As with any system introducing airborne particulate into an enclosed space:

- The CPM system must be used strictly **as intended and specified**
- Standard environmental and electrical safety practices must be followed to suit your local laws
- External ignition sources unrelated to the CPM system should always be managed according to general fire safety standards

---

Summary

Its design ensures **safe deployment, non-flammable particulate generation, and reliable operation** within modern security environments.

End of Statement