

TECHNICAL DATA SHEET (TDS)

Product: RC68 Less-Lethal Irritant Ammunition (Pepper Ball)

Brand: TactiBall

1. PRODUCT DESCRIPTION AND INTENDED USE

The RC68 is a less-lethal irritant ammunition designed for use with .68 caliber defense rifles (Type-2). It consists of a polystyrene-based plastic capsule containing PAVA (synthetic capsaicin) powder.

- Intended Use:** To temporarily restrict the behavior of threats, facilitate area evacuation, and block/redirect access to specific areas.
- User Profile:** Designed solely for law enforcement, military units, and authorized security personnel. **Not suitable for civilian use.**

2. PHYSICAL AND TECHNICAL SPECIFICATIONS

The following technical data is based on standard production tolerances.

Feature	Value / Description
Caliber	.68
Weight	~3 grams
Effect Type	Kinetic Energy + Chemical Powder Dispersion
Active Ingredient	PAVA (Pelargonic Acid Vanillylamide / Nonivamide)
Active Content	<2% (by weight)
Inert Filler	Aluminum Hydroxide
Physical Form	Powder inside a polystyrene capsule
Powder Color	White / Light Cream
Capsule Color Code	Red/White (High Concentration)
Odor	Faint
Solubility	Low solubility in water

3. PERFORMANCE AND OPERATIONAL DATA

- **Mechanism of Action:** Upon impact with a target or hard surface, the outer shell shatters, dispersing the PAVA powder into the environment, causing respiratory and eye irritation.
 - **Operating Temperature:** -30°C to +65°C.
 - **Safe Distance:** A minimum distance of **10 meters** from the target is recommended.
 - **Application Methods:**
 1. **Direct Impact:** Aim for the lower torso; avoid head and neck.
 2. **Area Saturation:** Fire at walls, ceilings, or the ground near the target to create a dust cloud.
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4. SAFETY AND HEALTH INFORMATION (GHS/CLP Classification)

Hazard Statements:

- **H319:** Causes serious eye irritation.
- **H315:** Causes skin irritation.
- **H335:** May cause respiratory irritation.
- **H317:** May cause an allergic skin reaction.

Critical Safety Warnings:

- **NEVER aim at the head or neck area.** Impact to eyes, temples, or throat can cause blindness or life-threatening injuries.
- **Wind Direction:** When outdoors, keep the wind at your back to avoid blowback.

First Aid Measures:

- **Eye Contact:** Do not rub eyes. Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes.
 - **Skin Contact:** Wash with cold water and soap. Do not apply oily creams.
 - **Inhalation:** Move the person to fresh air immediately.
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5. STORAGE AND SHELF LIFE

- **Shelf Life:** **3 years** from the date of production under appropriate conditions.
 - **Storage Temperature:** Recommended storage between +5°C and +25°C.
 - **Storage Conditions:**
 - Must be kept away from moisture (Humidity <60%). Moisture causes powder clumping and reduces effectiveness.
 - Store in a dry, cool, and locked area.
 - Temperatures above 60°C may deform the capsule shell.
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6. DISPOSAL AND ENVIRONMENTAL INFORMATION

- **Disposal:** Dispose of in accordance with local hazardous waste regulations. Disposal into nature is prohibited.
 - **Ecological Information:** Bioaccumulation is not expected. The product may be irritating to aquatic environments.
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7. MANUFACTURER CONTACT INFORMATION

Company: FUBA YATIRIM A.Ş. 30

Address: Hayat Mah. Baruthane Cad., No: 21/1, Elvanpazarcık, Merkez, Zonguldak, TÜRKİYE

Emergency Contact: +90 372 252 4030 32

E-mail: info@tactiball.com.tr

WEB: www.tactiball.com.tr