

MATERIAL SAFETY DATA SHEET (MSDS / SDS)

Irritant Ammunition Containing PAVA (Pelargonic Acid Vanillylamide)

SECTION 1 – Identification of the Substance/Mixture and the Company

Product Model Name: RC68

Product Name:

Irritant Ammunition Containing PAVA

Product Description:

Less-**lethal** ammunition developed for law enforcement agencies and official institutions for the purposes of behavior control and area clearance.

Area of Use:

- Area Clearance
- Behavior Control
- Authorized operations

Not Recommended Uses:

Civilian use, unauthorized personnel, educational use (inert use is recommended).

Manufacturer / Supplier:

FUBA YATIRIM A.Ş. – Hayat Mah. Baruthane Cad., No: 21/1, Elvanpazarcık, Merkez, Zonguldak, TURKEY

Emergency Contact:

+90 372 252 4030

SECTION 2 – Hazard Identification

2.1 CLP (EC 1272/2008) Classification

- **Eye Irritation:** Category 2 – **H319**
- **Skin Irritation:** Category 2 – **H315**
- **Respiratory Tract Irritation:** Category 3 – **H335**
- **Skin Sensitization:** Category 1 – **H317**

2.2 GHS Labeling Elements

Warning Word:

 **CAUTION**

Hazard Statements:

- H315: Causes skin irritation
- H317: May cause an allergic skin reaction

- ï H319: Causes serious eye irritation
- ï H335: May cause respiratory tract irritation

Precautionary Statements:

- ï P261: Avoid inhaling dust
- ï P280: Wear protective gloves/eye protection
- ï P305+P351+P338: In case of contact with eyes, rinse thoroughly with water

⚠ The risk of mechanical impact and chemical irritation should be assessed as physical and chemical risks.

SECTION 3 – Information on Composition/Ingredients

Hazardous Component:

Substance	CAS No	Concentration
PAVA (Nonivamide)	2444-46-4	< 2
Inactive Filler (Aluminum Hydroxide)	21645-51-2	Balancing Agent

Note: The PAVA ratio complies with police standards and national technical specifications.

SECTION 4 – First Aid Measures

Inhalation:

Move the person to fresh air. If symptoms persist, seek medical attention.

Eye Contact:

Rinse thoroughly with plenty of water for at least **15 minutes**. Remove contact lenses.

Skin Contact:

Wash with soap and water. If irritation persists, consult a doctor.

Ingestion:

Intentional ingestion is not expected. If swallowed, rinse mouth and seek medical attention if symptoms occur.

SECTION 5 – Firefighting Measures

Suitable Extinguishing Agents:

Foam, CO₂, dry chemical powder

Special Hazards:

Toxic gases may be released at high temperatures.

Protective Equipment:

Self-contained breathing apparatus (SCBA)

SECTION 6 – Measures Against Spillage Following an Accident

- ï Avoid dust formation
- ï Use personal protective equipment (PPE)
- ï Sweep up spilled material into suitable containers
- ï Prevent it from entering the sewer system

SECTION 7 – Handling and Storage**Handling:**

- ï Prevent inhalation of dust
- ï Avoid contact with eyes and skin

Storage:

- +5°C / +25°C
- ï In dry, cool, and locked areas
- ï Keep away from foodstuffs

SECTION 8 – Exposure Controls / Personal Protection**Personal Protective Equipment (PPE):**

- ï Full-face respirator
- ï Chemical-resistant gloves
- ï Eye protection
- ï Long-sleeved protective clothing

Technical controls: General ventilation is sufficient; local exhaust ventilation is recommended if dust formation is intense.

SECTION 9 – Physical and Chemical Properties

- ï Physical state: Powder
- ï Color: White / light cream
- ï Odor: Faint
- ï Melting point: Not applicable for the mixture. (For the active ingredient PAVA, ~55-60 °C)
- ï Solubility: Low in water

SECTION 10 – Stability and Reactivity

- ï Stable under normal conditions
- ï Avoid excessive heat and strong oxidizing agents.
- ï Decomposition products may form when exposed to high temperatures.

SECTION 11 – Toxicological Information

- ï Acute toxicity: Low
- ï Irritant effects: High (Eye, Skin, Respiratory)
- ï Permanent effects: Not expected (with proper use)
- ï Risk of allergic skin reaction exists.

SECTION 12 – Ecological Information

- ï May be irritating to aquatic environments
- ï Persistent bioaccumulation is not expected

SECTION 13 – Disposal Information

- ï Dispose in accordance with hazardous waste regulations
- ï Empty ammunition cannot be reused

SECTION 14 – Transportation Information

- ï ADR / RID / IMDG / IATA:
Does not fall under the hazardous material classification (packaged product)

SECTION 15 – Regulatory Information

- ï EU CLP (EC 1272/2008)
- ï REACH (EC 1907/2006)
- ï OSHA HazCom 2012

SECTION 16 – Other Information

This SDS has been prepared based on current scientific data and applicable regulations.

The product should only be used for the specified purposes.

The product is supplied in an inert plastic (polystyrene-based) capsule. The capsule material is chemically inert, is not classified as hazardous under the CLP Regulation, and does not contribute to the hazard classification of the mixture.