

Safety Data Sheet (SDS)

SECTION 1 – Identification

Product Name	Umarex 0.68cal Core Defense PAVA Rounds
Product Use	Incapacitant Aerosol Powder (PAVA) Nonivamide

SECTION 2 – Hazard Identification

Unusual Fire and Explosion Hazards	None			
HMIS Rating	Health: 1	Flammability: 0	Reactivity: 0	

SECTION 3 – Composition/Information on Ingredients

Active Components	Nonivamide CAS No 2444-46-4		
Formula	$C_{17}H_{27}NO_3$		
Synonyms	N-Vanillylnonanamide pelargonic acid vanillylamide (PAVA)		
Certified Levels	7% +/- 0.02% W/W PAVA		
Inert Ingredients	A proprietary combination of inert carriers and dispersion agents		
	<i>Chemical Name</i>	<i>CAS No</i>	<i>Content %</i>
	Mono Ammonium Phosphate	7722-76-1	42.0
	Ammonium Sulphate	7783-20-2	46.0
	Mica	12001-26-2	<5.0
	Methyl H Polysiloxane	63148-57-2	<1.0
	8mm 304 Stainless Steel Ball	n/a	n/a

SECTION 4 – First Aid Measures

Inhalation	If breathing is difficult, administer oxygen. Symptoms may include coughing, sneezing, burning eyes and skin irritation, nausea and possibly vomiting. If high concentrations are inhaled, immediately remove subject to fresh air. Keep the person as calm as possible. If not breathing, begin artificial respiration. If difficulty in breathing persists, seek medical attention.
Skin contact	In case of contact, wash skin with soap and water to prevent further exposure. Flush skin with copious amounts of cold water to minimise irritant effect. Wash contaminated clothing before reuse. Do not apply salves or dressing to affected areas.
Eye contact	Remove contact lenses and flush eyes with copious quantities of water. Move patient to fresh air as soon as possible.
Ingestion	Although ingestion is unlikely and not considered a potential route of exposure, individuals should be treated as having an acute non-specific upper airway reaction by an appropriate specialist. Do not induce vomiting.
Delayed effects	Rubefacient effects usually subside within 30 minutes. Cool water or cool circulation air will minimise discomfort.
Advice to Physician/Special Considerations	Inhalation may aggravate or initiate asthmatic episodes. Pre-existing skin disorders may be aggravated by exposure to this material. Treat patient as if acute non-specific upper airway reaction.

SECTION 5 – Fire Fighting Measures

Explosion Data	Non-explosive. No upper or lower explosive limits.
Flash Point	Non-flammable.
Extinguishing Media	Use extinguishing media appropriated to surrounding fire conditions.

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SECTION 6 – Accidental Release Measures

Respiratory Protection	NIOSHA approved respirator.
Ventilation	Mechanical ventilation to keep exposure below recommended limits.
Protection Gloves	PVA, rubber or neoprene.
Eye Protection	Safety goggles or face shield.
Skin Protection	Use appropriate barrier clothing.

SECTION 7 – Handling and Storage

Precautions To Be Taken in Storage and Handling	Keep tightly closed. Store in cool dry place.
Proper Disposal of Containers	Dispose of in municipal waste in accordance with Federal, State, or Local regulations or offer for recycling if appropriate for area.

SECTION 8 – Exposure Controls and Personal Protection

Ventilation	Good general ventilation should be sufficient for most conditions.
Respiratory Protection	When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator (if needed).
Eye Contact	For high potential exposure chemical goggles or full-face screen are recommended because eye contact with this material may cause some pain or eye irritation. For low and moderate potential exposure, use safety glasses.
Protective Clothing	For brief contact, no precautions other than clean body covering clothing should be needed. Use PVA, rubber, or neoprene gloves when prolonged or frequently repeated contact could occur.

SECTION 9 – Physical and Chemical Properties

Boiling Point	n/a
Percent Volatile	0%
Vapour Pressure (mmHg)	n/a
Appearance	Finely ground dense powder
Colour	White to off-white
Specific Gravity	1, 2
Solubility in Water	0%
Odour	Pungent, irritating
Evaporation Rate	0

SECTION 10 – Stability and Reactivity

Chemical Stability	Stable
Incompatible/Material to Avoid	None
Hazardous Decomposition Products	Will not occur
Hazardous Polymerization Products	Will not occur

SECTION 11 – Toxicology Information

Primary Routes of Entry	Inhalation, skin, eyes
User Exposure	Skin contact with powder may cause temporary acute paing and rubefacient effects.
Carcinogenicity	None of the components present in this product are listed by IARC, NPT, OSHA, or ACGIH as carcinogenic.
Exposure Guidelines	PEL: 1000 ppm 8Hr. TWA / STEL: 1000 ppm / WELL: 1000 ppm

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SECTION 12 – Ecological Information

California	This material does not contain any components listed under California Propositions 65.
Clean Air Act Amendments of 1990 (CAA 40 CFR)	No components are listed as hazardous air pollutants. The product is not made with, nor does it contain any Class 1 or Class 2 ozone depleting substances as defined under the amendments act.
CERCLA	Not a hazardous substance as referenced in (40 CFR 116 and 117)

SECTION 13 – Disposal Considerations

Protective Equipment	Wear goggles and use NIOSH/MSHA approved respirator or self-contained breathing apparatus (SCBA) and full protective clothing to protect from incapacitating effects (PAVA) exposure.
Procedure to be followed in case of Leak or Spill	Evacuate area, sweep up material, place in a bag and hold for waste disposal. Care should be taken to avoid causing dust to become airborne. Ventilate area and wash spill site with water after material pickup is complete.
Waste Disposal Measures	Not considered hazardous waste as referenced in 40 CFR 261.24 or 261.3.

SECTION 14 – Transport Information

DOT Classification	Not a DOT controlled material
Special Provisions for Transporting	This substance is non-hazardous for transport
Not Restricted as per IATA Regulations	

SECTION 15 – Regulatory Information

Federal and State Regulations	None found
Other Regulations	Not available
Other Classifications	WHMIS (Canada)
	Not controlled under WHMIS (Canada)
	DSDL (EEC)
	This product is not classified according to the EU regulations. N/A

SECTION 16 – Other Information

Last Revision	31 October 2023
Shelf Life	Three (03) Years

THE INFORMATION CONTAINED HEREIN THIS SAFETY DATA SHEET (SDS) IS BELIEVED TO BE ACCURATE AND RELIABLE, HOWEVER, NO WARRANTY EITHER EXPRESSED OR IMPLIED IS MADE.

CONDITIONS UNDER WHICH THIS INFORMATION MAY BE APPLIED ARE BEYOND [REDACTED] AND WE CAN ASSUME NO LIABILITY FOR RESULTS OF ITS CONTROL AND THEREFORE [REDACTED] CAN ASSUME NO LIABILITY FOR RESULTS OF ITS APPLICATION.

THIS PRODUCT IS DESIGNED TO BE USED BY PERSONS HAVING SUFFICIENT SKILLS TO MAKE INFORMED JUDGEMENTS REGARDING ITS APPLICATION.

ADDITIONALLY, IF THIS SDS IS MORE THAN THREE (03) YEARS OLD YOU SHOULD CONTACT [REDACTED] AT THE CONTACT NUMBER LISTED ABOVE TO MAKE CERTAIN THAT THIS SHEET IS CORRECT.