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Version 1

SECTION I – Product Name/Manufacturer Identification

Product Name: HotShot™ PepperBall® PAVA Pepper Powder (Shelf Life 3 Years)
Product Use: Incapacitant Aerosol Powder (PAVA, capsaicin II, nonivamide)
Manufacturer Identification:
 Manufacturer Name: PepperBall® Technologies, Inc.
 Address: 6142 Nancy Ridge Drive, Suite 101
 San Diego, CA 92121
 Emergency Telephone Number: (877) 887-3773
 (858) 638-0236
 FAX Number: (858) 638-0781

SECTION II – Composition/Information on Ingredient

Active Components: Capsaicin CAS # 404-86-4 / 2444-46-4
Formula $C_{17}H_{27}NO_3$
Synonyms: Capsaicin II, capsaicinoid, red pepper extract, PAVA, nonivamide
Certified level: 5%+/-0.1% w/w capsaicin II
Inert Ingredients: A proprietary combination of inert carriers and dispersion agents.

SECTION III – Physical Data/Chemical Properties

Boiling Point:	Not Applicable	Percent Volatile:	0%
Vapor Pressure (mmHg):	Not Applicable	Appearance:	Finely ground dense powder
Specific Gravity:	3.98	Color:	White to off-white/buff
Solubility in water:	0.5%	Odor:	Pungent, irritating
Evaporation Rate:	0		

SECTION IV – Fire and Explosion Hazard Data

Explosion Data: Non explosive. No upper or lower explosive limits.
Flash Point: Non-Flammable
Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions
Unusual Fire and Explosion Hazards: None
HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0

SECTION V – Stability and Reactivity Data

Chemical Stability:

Stable X

Unstable

Incompatible/Materials to Avoid: None

Hazardous Decomposition Products:

Will occur

Will not occur X

Hazardous Polymerization Products:

Will occur

Will not occur X

SECTION VI – Potential Health Effects/Exposure Guidelines

Primary Routes of Entry:

Inhalation

Skin

Eyes

User Exposure:

Skin contact with powder may cause temporary acute pain and rubefacient effect.

Carcinogenicity:

None of the components present in this product are listed by IARC, NPT, OSHA, or ACGIH as a carcinogen.

Exposure Guidelines:

PEL: 1000 ppm 8 Hr. TWA

STEL: 1000 ppm WEEL: 1000 ppm

SECTION VII – First Aid Measures

INHALATION

If breathing is difficult, administer oxygen. Symptoms may include: coughing, sneezing, burning eyes and skin, nausea and possibly vomiting. If high concentrations are inhaled, immediately remove subject to fresh air. Keep person calm. If not breathing, begin artificial respiration. If breathing difficulty 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 cool water to minimize 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 cool 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 airway reaction by an appropriate specialist. Do not induce vomiting.

Delayed Effects: Rubefacient effects usually subside within 30 minutes. Cool water or cool circulating air will minimize discomfort.

Advice to Physician/Special Consideration: 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 VIII – Accidental Release/Disposal Considerations

Steps to be taken in case material is accidentally released:

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

Methods for Cleaning Up:

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 of capsaicin exposure.

Procedure to be Followed in Case of Leak or Spill: Evacuate area, sweep up material, place in 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 a hazardous waste as referenced in 40 CFR 261.24 or 261.3.

SECTION IX – Precautions for Safe Handling and Use

Precautions to be taken in storage and handling: Keep tightly closed. Store in a 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 X – Transportation Information

DOT Classification: Class 55
Hazard Class: Not considered a hazardous material

SECTION XI – Environmental Impact

California: This material does not contain any components listed under California Proposition 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 to the act.

Clean Water Act (40 CFR 116): Not listed.

Canadian WHMIS: Not a controlled product.

CERCLA: Not a hazardous substance as referenced in 40 CFR 302.4. It is not on the list of hazardous substances under the clean water act (40 CFR 116 and 117).

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