

# United Tactical Systems, LLC

Safety Data Sheet (SDS)

Date Printed: 03/19/2001  
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## Section 1 – Identification of the substance or mixture and of the supplier

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Product Name: PEPPERBALL VXR INERT LIQUID™  
Product Use: Projectile Fill for Training Purposes  
Manufacturer's Name: United Tactical Systems, LLC  
Street Address: 28101 Ballard Dr., Unit F  
City, State, Zip code: Lake Forest, IL 60045 USA  
Emergency Phone Number: (800) 424-9300  
(847) 367-8960  
FAX Number: (847) 367-8980

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## Section 2 – Hazards Identification

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### 2.1 Classification of the substance or mixture

N/A

### 2.2 GHS Label elements, including precautionary statements

N/A

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

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## Section 3 – Composition / Information on ingredients

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Active Components: None

Inert Ingredients: A proprietary combination of inert carriers and dispersion agents of the

Composition:

68%	Barium sulfate	CAS # 7727-43-7
27%	Propylene Glycol	CAS# 57-55-6
2%	Water	CAS# 7732-18-5
<2%	Clay	
<1%	Citric Acid	CAS# 77-92-9

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## Section 4 – First Aid Measures

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### INHALATION:

If high concentrations are inhaled, immediately remove subject to fresh air. Get medical help for any breathing difficulty.

### SKIN CONTACT:

Wash skin with mild soap and water.

**EYE CONTACT:**

Flush thoroughly with plenty of water for at least 15 minutes. Get medical help if irritation persists.

**INGESTION:**

Although ingestion is unlikely and not considered a potential route of exposure, if patient is conscious give large quantities of water to induce vomiting. Get medical attention.

Advice to Physician/Special Consideration: Treat symptomatically for lung or eye irritation, if present.

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**Section 5 – Firefighting Measures**

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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

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**Section 6 – Accidental Release Measures**

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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: Leather or Rubber Gloves

Eye Protection: Safety goggles or face shield

Skin Protection: Use rubber apron if convenient for operation

Methods for Cleaning Up:

Protective Equipment: Wear goggles and use NIOSH/MSHA approved respirator.

Procedure to be Followed in Case of Leak or Spill: Care should be taken to avoid causing dust to become airborne. Ventilate area and wash spill site with water after material pickup is complete.

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**Section 7 – Handling and Storage**

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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.

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**Section 8 – Exposure Controls / Personal Protection**

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**8.1 Control parameters**

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values

**8.2 Exposure controls**

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment**

##### **Eye/face protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### **Skin Protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### **Body Protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory Protection**

For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection, use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Control of environmental exposure**

Do not let product enter drains.

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## **Section 9 – Physical and Chemical Properties**

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

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## **Section 10 – Stability and Reactivity**

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Chemical Stability:  
Stable    
Unstable    
Incompatible/Materials to Avoid: None  
Hazardous Decomposition Products:  
Will occur    
Will not occur    
Hazardous Polymerization Products:  
Will occur    
Will not occur

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## Section 11 – Toxicological Information

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Primary Routes of Entry:

Inhalation  
Skin  
Eyes

User Exposure:

Skin contact with powder may cause slight drying or mechanical irritation due to abrasion.

Carcinogenicity:

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

Chronic Health Effects:

Heavy extended industrial exposure to the dust by produce a benign pneumoconiosis, termed Baritosis. The reaction results in no impairment of ventilatory function. Mild bronchial irritation may occur.

Threshold Limit Values:            5 mg/m<sup>3</sup> Respirable Dust (OSHA PEL)  
   10 mg/m<sup>3</sup> Total Dust (ACGIH)  
   15 mg/m<sup>3</sup> Total Dust (OSHA)

Summary of Health Risks:

Barium sulfate and amorphous silica are practically non-toxic and chemically non-irritating. Not absorbed by the body. Excessive exposure above TLV can give mild pulmonary irritation. Eye contact will result in no specific effects other than general particulate irritation to the eye. Individuals with pre-existing respiratory conditions such as asthma or skin conditions such as dermatitis may be at greater risk for exposure to material.

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## Section 12 – Ecological Information

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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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## Section 13 – Disposable Considerations

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Waste Disposal Measures: Not considered a hazardous waste as referenced in 40 CFR 261.24 or 261.3. This material passes the RCRA-TCLP test and may be treated as a non-hazardous waste.

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**Section 14 – Transport Information**

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DOT Classification:	Class 55
Hazard Class:	Not considered a hazardous material
Proper Shipping Name:	Not regulated

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**Section 15 – Regulatory Information**

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N/A

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**Section 16 – Other information including information on preparation and revision of the SDS**

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***Disclaimer:***

***This information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the manufacturer be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if manufacturer has been advised of such damages.***