

# MSDS - Material Safety Data Sheet

**Product Name:** Letter Bomb Visualizer

**MSDS No.:** LBV1000

**I. Basic Information:**

**Manufacturer:** Law Enforcement Associates Corp.

**Address:** 100 Hunter Place

**City, ST Zip:** Youngsville, NC 27596

**Emergency Contact:** Matt Ray

**Emergency Telephone Number:** 800-354-9669

**Contact:**

**Information Telephone Number:** 919-554-4700

**Last Update:** 01-31-2008

**Expiration Date:**

**Chemical State:**  Liquid  Gas  Solid

**Chemical Type:**  Pure  Mixture



0	Health
1	Flammability
0	Reactivity
B	Pers. Protection

**II. Ingredients:**

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
0	Non-hazardous components								None	None	

**III. Hazardous Identification:**

**Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

Non-flammable. Non-toxic.

**IV. First Aid Measures:**

**Route(s) of Entry:**

Eyes, inhalation, skin, ingestion.

**Health Hazards (Acute and Chronic):**

No known immediate health, physical or environmental hazard.

**Signs and Symptoms:**

**EYES:** Contact with eyes during use is not expected to result in significant irritation  
**INHALATION:** If thermal decomposition occurs: Respiratory Effects: May include cough, sneezing, shortness of breath, chest tightness, nasal discharge, and wheezing.  
**SKIN:** Contact with skin during products is not expected to result in significant irritation.  
**INGESTION:** No health effects expected.

**Medical Conditions Generally Aggravated by Exposure:**

None.

**Emergency and First Aid Procedures:**

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EYES: Flush with copious amounts of water. If symptoms persist, contact a physician.

INHALATION: If signs/symptoms develop, remove to fresh air. If signs/symptoms persist, contact a physician.

SKIN: Wash affected area with soap and water. If signs/symptoms persist, contact a physician.

INGESTION: If signs/symptoms develop, contact a physician. No need for first aid anticipated.

### Other Health Warnings:

None.

### V. Fire Fighting Measures:

Flash Point: N/A

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

### F.P. Method:

**Fire Extinguishing Media:** Mixture will not burn. No unusual effects are anticipated during fire fighting operations.

### Special Fire Fighting Procedures:

Wear full protective clothing including helmet, self-contained breathing apparatus. Avoid breathing the products and substances that may result from thermal decomposition. Keep containers cool with water spray to avoid rupture.

### Unusual Fire and Explosion:

When fire fighting conditions are severe and total, thermal decomposition of this product is possible.

### VI. Accidental Release Measures:

#### Steps to be Taken in Case Material is Released or Spilled:

In case of spills resulting in significant release in confined areas, warn others to leave immediately. Exposure to excessive vapor concentration in confined spaces may cause significant injury.

Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Reclaim if feasible. Cleanup residue with organic solvent. Place in metal container. Dispose of in accordance with all federal state and local regulations.

### VII. Handling and Storage:

#### Precautions to be Taken:

Normal warehouse storage.

#### Other Precautions:

None

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Use only with adequate ventilation.

#### Personal Protective Equipment:

Safety glasses/goggles, latex gloves.

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### IX. Physical and Chemical Properties:

Boiling Point: 61 C

Melting Point: -135 C

Evaporation Rate (Butyl Acetate = 1): 49

Vapor Pressure (mm Hg.): 202mmHg

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 8.6 Air

Solubility In Water: <12ppm

Appearance and Odor:

Other Information:

### X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Extreme heat may cause thermal decomposition.

Decomposition/By Products:

Decomposition of this product at temperatures above 300 C can form perfluoroisobutylene. No health hazard is associated with product use due to PFIB exposure.

Hazardous Polymerization:

Will not occur.

### XI. Toxicological Information:

Insignificant toxicity.

### XII. Ecological Information:

This low solubility substance has insignificant toxicity to aquatic organisms.

### XIII. Disposal Considerations:

Dispose of according to local, state, and federal regulations.

### XIV. Transport Information:

Not regulated for all forms of transport.

### XV. Regulatory Information:

The components of this product are in compliance with the chemical notification requirements of TSCA.

### XVI. Other Information:

The 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, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.

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Using this product under normal, properly instructed procedures should not be hazardous.