# 1 Identification

- **Product identifier**
  - Trade name: Flash Bang Projectile
  - Product code: MP-4-FB-4

- **Recommended use and restriction on use**
  - Recommended use: Explosive product.
  - Restrictions on use: Contact manufacturer

- **Details of the supplier of the Safety Data Sheet**
  - Manufacturer/Supplier:
    NonLethal Technologies, Inc.
    9419 Rt 286 Hwy W
    Homer City, PA  15748
    USA
    +1 724-479-5100
    nlt@nonlethaltechnologies.com

- **Emergency telephone number:**  1-800-255-3924 (Intl.: +1  813-248-0585) (CHEMTEL # MIS9685256)

---

# 2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Expl. 1.4  H204  Fire or projection hazard.

- **Label elements**
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**
  - ![GHS01](image)

- **Signal word:** Warning
- **Hazard statements:**
  - H204 Fire or projection hazard.

- **Precautionary statements:**
  - P210  Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  - P250  Do not subject to grinding/shock/friction.
  - P280  Wear protective gloves / eye protection / face protection.
  - P373  DO NOT fight fire when fire reaches explosives.
  - P370+P380  In case of fire: Evacuate area.
  - P372  Explosion risk in case of fire.
  - P401  Store in accordance with local/regional/national/international regulations.
  - P501  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards** There are no other hazards not otherwise classified that have been identified.

- **Explosive Product Notice**
  - PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have

(Cont'd. on page 2)
Trade name: Flash Bang Projectile

been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, DO NOT USE IT before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he should consult the manufacturer before use.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

<table>
<thead>
<tr>
<th>Components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7757-79-1</td>
<td>potassium nitrate</td>
</tr>
<tr>
<td>7778-74-7</td>
<td>potassium perchlorate</td>
</tr>
<tr>
<td>16291-96-6</td>
<td>charcoal</td>
</tr>
<tr>
<td>7704-34-9</td>
<td>sulfur</td>
</tr>
<tr>
<td>7429-90-5</td>
<td>aluminium powder (pyrophoric)</td>
</tr>
<tr>
<td>7439-95-4</td>
<td>magnesium powder (pyrophoric)</td>
</tr>
<tr>
<td>1345-04-6</td>
<td>antimony sulphide</td>
</tr>
<tr>
<td>10022-31-8</td>
<td>barium nitrate</td>
</tr>
<tr>
<td>15245-44-0</td>
<td>lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate</td>
</tr>
</tbody>
</table>

Additional information:
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

- Description of first aid measures
  - General information:
    Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.
**Trade name: Flash Bang Projectile**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
  Wash with soap and water. If skin irritation is experienced, consult a doctor.
- **After eye contact:**
  Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
  Unlikely route of exposure. Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:** Blast injury if mishandled.
- **Danger:** Danger of blast or crush-type injuries.
- **Indication of any immediate medical attention and special treatment needed:**
  Product may produce physical injury if mishandled. Treatment of these injuries should be based on the blast and compression effects.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  DO NOT fight fire when fire reaches explosives. Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
  During heating or in case of fire poisonous gases are produced. Product may explode if burned in confined space. Individual cartridges may explode. Mass explosion of many cartridges at once is unlikely.
- **Advice for firefighters**
- **Protective equipment:**
  Wear self-contained respiratory protective device. Wear fully protective suit.
- **Additional information:**
  Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray.
  Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Will not mass explode if multiple devices are involved. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2008 Emergency response Guidebook for further information.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Trade name: Flash Bang Projectile

(Cont’d. of page 3)

- Isolate area and prevent access.
- **Environmental precautions:**
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up:**
  - Pick up mechanically.
  - Send for recovery or disposal in suitable receptacles.
- **Reference to other sections:**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
  - Handle with care. Avoid jolting, friction and impact.
- **Information about protection against explosions and fires:**
  - Protect from heat.
  - Emergency cooling must be available in case of nearby fire.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
  - Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
  - Store away from foodstuffs.
  - Store away from flammable substances.
- **Further information about storage conditions:**
  - Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s):**
  - No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

<table>
<thead>
<tr>
<th>7429-90-5 aluminium powder (pyrophoric)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL (USA)</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>REL (USA)</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>TLV (USA)</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>EL (Canada)</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

(Cont’d. on page 5)
Trade name: Flash Bang Projectile

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>EL (Canada)</th>
<th>LMPE (Mexico)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 1* mg/m³ A4, fraccion respirable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1345-04-6 antimony sulphide

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>EL (Canada)</th>
<th>LMPE (Mexico)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
<td>Long-term value: 0.5 mg/m³ as Sb</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 0.5 mg/m³ como Sb</td>
<td>Long-term value: 0.5 mg/m³ como Ba</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10022-31-8 barium nitrate

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>EL (Canada)</th>
<th>LMPE (Mexico)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
<td>Long-term value: 0.5 mg/m³ as Ba</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 0.5 mg/m³ A4; como Ba</td>
<td>Long-term value: 0.5 mg/m³ A4; como Ba</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead stypnate

<table>
<thead>
<tr>
<th>Substance</th>
<th>EV (Canada)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 0.05 mg/m³ as Pb, Skin (organic compounds)</td>
</tr>
</tbody>
</table>

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  The usual precautionary measures for handling chemicals should be followed.
  Keep away from foodstuffs, beverages and feed.
  Wash hands before breaks and at the end of work.
- Engineering controls: Provide adequate ventilation.
- Breathing equipment: Not required under normal conditions of use.
- Protection of hands:
  Wear gloves for the protection against mechanical hazards according to OSHA and NIOSH rules.
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Eye protection:
  Safety glasses
Safety Data Sheet  
acc. to OSHA HCS (29 CFR 1910.1200)  

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(Cont'd. of page 5)

- **Body protection**: Protective work clothing
- **Limitation and supervision of exposure into the environment**: No relevant information available.
- **Risk management measures**: Organizational measures should be in place for all activities involving this product.

---

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th><strong>Information on basic physical and chemical properties</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td></td>
</tr>
<tr>
<td>· Form:</td>
<td>Solid metal cylinder</td>
</tr>
<tr>
<td>· Color:</td>
<td>According to product specification</td>
</tr>
<tr>
<td>· Odor:</td>
<td>Odorless</td>
</tr>
<tr>
<td>· Odor threshold:</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>pH-value:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong></td>
<td>Fire or projection hazard.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
<td>Heating may cause an explosion.</td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
<td></td>
</tr>
<tr>
<td>· Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Density:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Relative density:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Vapor density:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>· Evaporation rate:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water:</strong></td>
<td>Insoluble.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td></td>
</tr>
<tr>
<td>· Dynamic:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>· Kinematic:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>No relevant information available.</td>
</tr>
</tbody>
</table>

(Cont'd. on page 7)
10 Stability and reactivity

- **Reactivity**: No relevant information available.
- **Chemical stability**: 
  - **Thermal decomposition / conditions to be avoided**: No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**: 
  - Fire or projection hazard.
  - Toxic fumes may be released if heated above the decomposition point.
  - Reacts with strong acids and alkali.
- **Conditions to avoid**: 
  - Excessive heat.
  - Sources of ignition, open flame, incompatible materials.
- **Incompatible materials**: Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**: Carbon monoxide and carbon dioxide
  - Nitrogen oxides
  - Sulfur oxides (SOx)

11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity**: 
    - **LD/LC50 values that are relevant for classification**: 
      - 15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate
    - Oral | LD(50) | 650 mg/kg (rat)

- **Primary irritant effect**: 
  - **On the skin**: Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.
  - **On the eye**: Not an eye irritant in unused form. Vapors/particles from used product are possibly irritating to eyes.
  - **Sensitization**: Based on available data, the classification criteria are not met.

- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**: 
    - 15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate 2B
  - **NTP (National Toxicology Program)**: 
    - 15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate R
  - **OSHA-Ca (Occupational Safety & Health Administration)**: 
    - None of the ingredients are listed.

- **Probable route(s) of exposure**: 
  - Skin contact.
  - Eye contact.

- **Acute effects (acute toxicity, irritation and corrosivity)**: Danger of blast or crush-type injuries.
- **Repeated dose toxicity**: From product as supplied: None.
Trade name: Flash Bang Projectile

(Cont'd. of page 7)

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
  - Aquatic toxicity No relevant information available.
  - Persistence and degradability No relevant information available.
  - Bioaccumulative potential: May be accumulated in organism
  - Mobility in soil: No relevant information available.
  - Ecotoxicological effects:
    - Remark: Harmful to fish
- Additional ecological information
- General notes:
  - Avoid release to the environment.
  - The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary.
  - Harmful to aquatic organisms
  - Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- Other adverse effects: No relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    - Incinrate in accordance with local, state and federal regulations.
    - The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
- DOT, ADR, IMDG, IATA UN0452

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Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

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- UN proper shipping name
  DOT, ADR, IMDG, IATA
  GRENADES, PRACTICE

- Transport hazard class(es)
  DOT
    - 1.4
      - Class 1.4G
      - Label 1.4G

- ADR, IMDG, IATA
  - 1.4
    - Class 1.4G
    - Label 1.4G

- Packing group
  - DOT II

- Environmental hazards
  - Marine pollutant: No

- Special precautions for user
  - Not applicable.

- EMS Number:
  - F-B,S-X

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  - Not applicable.

- Transport/Additional information:
  - IATA
    - Cargo Aircraft Only.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - United States (USA)
    - SARA

  - Section 302 (extremely hazardous substances):
    - None of the ingredients are listed.

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## Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

### Trade name: Flash Bang Projectile

(Cont'd. of page 9)

<table>
<thead>
<tr>
<th>Section 304 (emergency release notification):</th>
<th>None of the ingredients are listed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 355 (extremely hazardous substances):</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>Section 313 (Specific toxic chemical listings):</td>
<td></td>
</tr>
</tbody>
</table>
7757-79-1 potassium nitrate |
7429-90-5 aluminium powder (pyrophoric) |
| TSCA (Toxic Substances Control Act) | All ingredients are listed. |
| Proposition 65 (California) |  |
| Chemicals known to cause cancer: |  |
15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate |
| Chemicals known to cause reproductive toxicity for females: | None of the ingredients are listed. |
| Chemicals known to cause reproductive toxicity for males: | None of the ingredients are listed. |
| Chemicals known to cause developmental toxicity: |  |
15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate |

### Carcinogenic categories

<table>
<thead>
<tr>
<th>EPA (Environmental Protection Agency):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7778-74-7 potassium perchlorate</td>
<td>NL</td>
</tr>
<tr>
<td>10022-31-8 barium nitrate</td>
<td>D, CBD(inh), NL(oral)</td>
</tr>
<tr>
<td>IARC (International Agency for Research on Cancer):</td>
<td></td>
</tr>
<tr>
<td>15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate</td>
<td>2B</td>
</tr>
<tr>
<td>NIOSH-Ca (National Institute for Occupational Safety and Health):</td>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of preparation / last revision** 06/23/2016 / -

**Abbreviations and acronyms:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit

(Cont'd. on page 11)
Trade name: Flash Bang Projectile

REL: Recommended Exposure Limit
Expl. 1.4: Explosives – Division 1.4
Unst. Expl.: Explosives – Unstable explosive
Flam. Sol. 1: Flammable solids – Category 1
Pyr. Sol. 1: Pyrophoric solids – Category 1
Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1
Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2
Ox. Sol. 1: Oxidizing solids – Category 1
Ox. Sol. 2: Oxidizing solids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Repr. 1A: Reproductive toxicity – Category 1A
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Sources
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers

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