1 Identification

- **Product identifier**
  - **Trade name:** Flash Bang Distraction Grenade
  - **Product code:** MP-FBL

- **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.
  - **Address:** 9419 Rt 286 Hwy W
  - **City:** Homer City, PA  15748
  - **Country:** USA
  - **Telephone:** +1 724-479-5100
  - **Email:** 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:**
    - [Image of GHS pictogram]

- **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
Trade name: Flash Bang Distraction Grenade

(Cont'd. of page 1)

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>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>7778-74-7 potassium perchlorate</td>
<td>40-60%</td>
<td>Ox.: Sol. 1; H271; Acute Tox. 4, H302</td>
</tr>
<tr>
<td>7439-95-4 magnesium powder (pyrophoric)</td>
<td>25-40%</td>
<td>Pyr.: Sol. 1, H250; Water-react. 1, H280</td>
</tr>
<tr>
<td>7757-79-1 potassium nitrate</td>
<td>&lt;10%</td>
<td>Ox.: Sol. 2; H272</td>
</tr>
<tr>
<td>7429-90-5 aluminium powder (pyrophoric)</td>
<td>&lt;10%</td>
<td>Pyr.: Sol. 1, H250; Water-react. 2, H281</td>
</tr>
<tr>
<td>10294-40-3 barium chromate</td>
<td>&lt;5%</td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H332</td>
</tr>
<tr>
<td>16291-96-6 charcoal</td>
<td>&lt;2%</td>
<td>Flammable, Sol. 1, H226</td>
</tr>
<tr>
<td>7440-02-0 nickel</td>
<td>&lt;2%</td>
<td>Carc. 2, H351; STOT RE 1, H372; Skin Sens. 1, H317</td>
</tr>
<tr>
<td>9004-70-0 Nitrocellulose, colloided, granular</td>
<td>&lt;2%</td>
<td>Expl.: 1.1, H201</td>
</tr>
<tr>
<td>7704-34-9 sulfur</td>
<td>&lt;2%</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>7440-87-7 zirconium powder (pyrophoric)</td>
<td>&lt;2%</td>
<td>Pyr.: Sol. 1, H250; Water-react. 1, H260</td>
</tr>
<tr>
<td>592-87-0 lead dithiocyanate</td>
<td>&lt;0.25%</td>
<td>Rep.: 1A, H360; STOT RE 2, H373; Acute Tox. 4, H302; Acute Tox. 4, H332</td>
</tr>
<tr>
<td>7782-42-5 graphite</td>
<td>&lt;0.25%</td>
<td></td>
</tr>
<tr>
<td>10022-31-8 barium nitrate</td>
<td>&lt;0.25%</td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H332</td>
</tr>
</tbody>
</table>

(Cont'd. on page 3)
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.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:**
    - Unlikely route of exposure.
    - 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:** 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.
Trade name: Flash Bang Distraction Grenade

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures:
  Wear protective equipment. Keep unprotected persons away.
  Remove persons from danger area.
  Ensure adequate ventilation.
  Protect from heat.
  Isolate area and prevent access.
- Environmental precautions: No special measures required.
- 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>Component</th>
<th>Long-term value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7429-90-5 aluminium powder (pyrophoric)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 15(^*); 5(^**) mg/m(^3)</td>
<td></td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 100 (^*) 5(^**) mg/m(^3)</td>
<td>as Al (^*)Total dust(^**)Respirable/pyro powd./welding f.</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 1 mg/m(^3)</td>
<td>as Al; (^*)as respirable fraction</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 1.0 mg/m(^3)</td>
<td>respirable, as Al</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 5 mg/m(^3)</td>
<td>aluminium-containing (as aluminium)</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 1 mg/m(^3)</td>
<td>A4, (^*)fracción respirable</td>
</tr>
<tr>
<td>10294-40-3 barium chromate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 0.005(^*) mg/m(^3)</td>
<td></td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 0.002 mg/m(^3)</td>
<td>as Cr; See Pocket Guide Apps. A and C</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.01 mg/m(^3)</td>
<td>as Cr</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.01 mg/m(^3)</td>
<td>as Cr; ACGIH A1, IARC 1</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 0.01 mg/m(^3)</td>
<td>A1; como Cr</td>
</tr>
<tr>
<td>7440-02-0 nickel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 1 mg/m(^3)</td>
<td></td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 0.015 mg/m(^3)</td>
<td>as Ni; See Pocket Guide App. A</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 1.5(^*) mg/m(^3)</td>
<td>elemental, (^*)inhalable fraction</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.05 mg/m(^3)</td>
<td>ACGIH A1, IARC 2B</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 1 mg/m(^3)</td>
<td>Inhalable fraction</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 1.5(^*) mg/m(^3)</td>
<td>(^*)elemental:A5, fracción inhalable</td>
</tr>
</tbody>
</table>

(Cont'd. on page 6)
**Safety Data Sheet**  
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/27/2016  
Revision: 05/27/2016

**Trade name:** Flash Bang Distraction Grenade

### 7440-67-7 zirconium powder (pyrophoric)

| Source          | Long-term value: 5 mg/m³  
as Zr |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td></td>
</tr>
</tbody>
</table>
| REL (USA)       | Short-term value: 10 mg/m³  
as Zr |
| TLV (USA)       | Short-term value: 10 mg/m³  
as Zr |
| EL (Canada)     | Short-term value: 10 mg/m³  
Long-term value: 5 mg/m³  
as Zr |
| EV (Canada)     | Short-term value: 10 mg/m³  
Long-term value: 5 mg/m³  
as Zr |
| LMPE (Mexico)   | Short-term value: 10 mg/m³  
Long-term value: 5 mg/m³  
A4; como Zr |

### 592-87-0 lead dithiocyanate

| Source          | Long-term value: 5 mg/m³  
as CN; Skin |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td></td>
</tr>
</tbody>
</table>
| EV (Canada)     | Long-term value: 0.05 mg/m³  
as Pb, Skin (organic compounds) |

### 7782-42-5 graphite

| Source          | Long-term value: 15 mppcf* mg/m³  
*impinger samples counted by light field techn. |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td></td>
</tr>
</tbody>
</table>
| REL (USA)       | Long-term value: 2.5* mg/m³  
*respirable dust |
| TLV (USA)       | Long-term value: 2* mg/m³  
all forms except graphite fibers;*resp. fraction |
| EL (Canada)     | Long-term value: 2 mg/m³  
respirable |
| EV (Canada)     | Long-term value: 2 mg/m³  
respirable |
| LMPE (Mexico)   | Long-term value: 2* mg/m³  
*fracción respirable |

### 10022-31-8 barium nitrate

| Source          | Long-term value: 0.5 mg/m³  
as Ba |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td></td>
</tr>
</tbody>
</table>
| REL (USA)       | Long-term value: 0.5 mg/m³  
as Ba |
| TLV (USA)       | Long-term value: 0.5 mg/m³  
as Ba |

(Cont’d. of page 5)

(Cont’d. on page 7)
Trade name: Flash Bang Distraction Grenade

<table>
<thead>
<tr>
<th>Country</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL (Canada)</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>
</tr>
<tr>
<td>108-05-4 vinyl acetate</td>
<td></td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Ceiling limit: 15* mg/m³, 4* ppm *15-min</td>
</tr>
<tr>
<td></td>
<td>Short-term value: 53 mg/m³, 15 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 35 mg/m³, 10 ppm</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>IARC 2B</td>
</tr>
<tr>
<td></td>
<td>Short-term value: 15 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 10 ppm</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Short-term value: 15 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 10 ppm</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Short-term value: 15 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 10 ppm</td>
</tr>
<tr>
<td></td>
<td>A3</td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

10294-40-3 barium chromate

BEI (USA) 25 µg/L

- **Medium: urine**
- **Time:** end of shift at end of workweek
- **Parameter:** Total chromium (fume)

10 µg/L

- **Medium:** urine
- **Time:** increase during shift
- **Parameter:** Total chromium (fume)

Exposure controls

- **Personal protective equipment:**
  - 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**

Body protection: Protective work clothing

(Cont'd. on page 8)
Trade name: Flash Bang Distraction Grenade

<table>
<thead>
<tr>
<th>9 Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Information on basic physical and chemical properties</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td><strong>Color:</strong></td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
</tr>
<tr>
<td><strong>Odor threshold:</strong></td>
</tr>
<tr>
<td><strong>pH-value:</strong></td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong></td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong></td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong></td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
</tr>
<tr>
<td><strong>Lower:</strong></td>
</tr>
<tr>
<td><strong>Upper:</strong></td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
</tr>
<tr>
<td><strong>Density:</strong></td>
</tr>
<tr>
<td><strong>Relative density:</strong></td>
</tr>
<tr>
<td><strong>Vapor density:</strong></td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water:</strong></td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong></td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
</tr>
<tr>
<td><strong>Dynamic:</strong></td>
</tr>
<tr>
<td><strong>Kinematic:</strong></td>
</tr>
<tr>
<td><strong>Other information</strong></td>
</tr>
</tbody>
</table>

(Cont'd. of page 9)
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**: None.
- **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**

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer):</th>
</tr>
</thead>
<tbody>
<tr>
<td>7440-02-0 nickel</td>
</tr>
<tr>
<td>108-05-4 vinyl acetate</td>
</tr>
<tr>
<td>10294-40-3 barium chromate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program):</th>
</tr>
</thead>
<tbody>
<tr>
<td>10294-40-3 barium chromate</td>
</tr>
<tr>
<td>7440-02-0 nickel</td>
</tr>
<tr>
<td>592-87-0 lead dithiocyanate</td>
</tr>
</tbody>
</table>

- **OSHA-Ca (Occupational Safety & Health Administration)**:  
  - None of the ingredients are listed.

- **Probable route(s) of exposure**:  
  - Skin contact.
  - Eye contact.
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**:
  - **Remediation**: Harmful to soil
- **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.
  After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
  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

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

- **Transport hazard class(es)**
  - **DOT**
    - Class: 1.4
    - Label: 1.4G
  - **ADR**
    - Class: 1.4
    - Label: 1.4G
  - **IMDG, IATA**
    - Class: 1.4
    - Label: 1.4G

- **Packing group**
  - DOT, ADR, IMDG, IATA: II

- **Environmental hazards**
  - Marine pollutant: No

- **Special precautions for user**
  - Warning: Explosive substances und articles
  - 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:**
  - **DOT**
    - Quantity limitations: On passenger aircraft/rail: FORBIDDEN
      On cargo aircraft only: 75 kg

(Cont'd. on page 12)
### 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.

- **Section 304 (emergency release notification):**
  
  None of the ingredients are listed.

- **Section 355 (extremely hazardous substances):**
  
  108-05-4 vinyl acetate

- **Section 313 (Specific toxic chemical listings):**
  
  7757-79-1 potassium nitrate
  7429-90-5 aluminium powder (pyrophoric)
  10294-40-3 barium chromate
  7440-02-0 nickel
  592-87-0 lead diisocyanate

- **TSCA (Toxic Substances Control Act)**
  
  All ingredients are listed.

- **Proposition 65 (California)**

  - **Chemicals known to cause cancer:**
    
    10294-40-3 barium chromate

  - **Chemicals known to cause reproductive toxicity for females:**
    
    10294-40-3 barium chromate

  - **Chemicals known to cause reproductive toxicity for males:**
    
    10294-40-3 barium chromate

  - **Chemicals known to cause developmental toxicity:**
    
    10294-40-3 barium chromate

  - **Carcinogenic categories**

  - **EPA (Environmental Protection Agency):**
    
    7778-74-7 potassium perchlorate NL
Trade name: Flash Bang Distraction Grenade

(Cont'd. of page 12)

<table>
<thead>
<tr>
<th>CAS number</th>
<th>Substance</th>
<th>Toxicity Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>10294-40-3</td>
<td>barium chromate</td>
<td>A(inh), D(oral), K/L(inh), CBD(oral)</td>
</tr>
<tr>
<td>10022-31-8</td>
<td>barium nitrate</td>
<td>D, CBD(inh), NL(oral)</td>
</tr>
</tbody>
</table>

IARC (International Agency for Research on Cancer):

<table>
<thead>
<tr>
<th>Substance</th>
<th>Toxicity Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>10294-40-3</td>
<td>1</td>
</tr>
<tr>
<td>7440-02-0</td>
<td>2B</td>
</tr>
<tr>
<td>108-05-4</td>
<td>2B</td>
</tr>
</tbody>
</table>

NIOSH-Ca (National Institute for Occupational Safety and Health):

<table>
<thead>
<tr>
<th>Substance</th>
<th>Toxicity Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>10294-40-3</td>
<td></td>
</tr>
<tr>
<td>7440-02-0</td>
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</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:** 05/27/2016
- **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
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - BEI: Biological Exposure Limit
  - Expl. 1.1: Explosives – Division 1.1
  - Expl. 1.4: Explosives – Division 1.4
  - Flam. Liq. 2: Flammable liquids – Category 2
  - 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
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Carc. 2: Carcinogenicity – Category 2
  - Repr. 1A: Reproductive toxicity – Category 1A
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
  - 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/}

(Cont'd. on page 14)
<table>
<thead>
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<th>Trade name: Flash Bang Distraction Grenade</th>
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<tbody>
<tr>
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<tr>
<td>Website, Chemical Abstracts Registry, American Chemical Society (<a href="http://www.cas.org">www.cas.org</a>)</td>
</tr>
<tr>
<td>Safety Data Sheets, Individual Manufacturers</td>
</tr>
<tr>
<td>SDS Prepared by:</td>
</tr>
<tr>
<td>ChemTel Inc.</td>
</tr>
<tr>
<td>1305 North Florida Avenue</td>
</tr>
<tr>
<td>Tampa, Florida USA 33602-2902</td>
</tr>
<tr>
<td>Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573</td>
</tr>
<tr>
<td>Website: <a href="http://www.chemtelinc.com">www.chemtelinc.com</a></td>
</tr>
</tbody>
</table>