SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of product

PRODUCT NAME: Pistol and Revolver Powder
DESCRIPTION: Spherical Powder 9 x 19mm (.40 S&W, .45 ACP)

1.2 Identified manner of product use: Solid explosive matter

1.3 Details of the manufacturer

MANUFACTURER/SUPPLIER: Mil-Spec Industries Corp.
Address: 42 Herb Hill Road
Glen Cove, NY 11542
USA
Telephone Number: (516) 625-5787

1.4 Emergency telephone number

1-800-255-3924 (US/Canada), +1-613-248-0585 (International)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance

2.1.1 Product classification:

| Health hazard | Very toxic by inhalation, in contact with skin and if swallowed
| Irritating to eyes, respiratory system and skin
| May cause sensitization by skin contact |
| Environment hazard | Toxic to aquatic organisms, may cause long-term adverse effect in the environment |
| Physico-chemical hazards | Extreme risk of explosion by shock, friction, fire or other sources of ignition |

2.2 Label elements

Extreme risk of explosion by shock, friction, fire or other sources of ignition.

Very toxic by inhalation, in contact with skin and if swallowed

Irritating to eyes, respiratory system and skin

May cause sensitization by skin contact

Toxic to aquatic organisms, may cause long-term adverse effect in the environment

Keep locked up

In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

After contact with skin, immediately take off all contaminated clothing, and wash immediately with plenty of soap and water.

Wear suitable protective clothing, gloves and eye/face protection

E - Explosive
3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Product identification</th>
<th>CAS No.</th>
<th>%</th>
<th>Danger symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrocellulose</td>
<td>9004-70-0</td>
<td>remain</td>
<td>F</td>
</tr>
<tr>
<td>Nitroglycerin</td>
<td>55-63-0</td>
<td>8,0-28,0</td>
<td>E, T+, N</td>
</tr>
<tr>
<td>Diphenylamine</td>
<td>122-39-4</td>
<td>0,70-1,50</td>
<td>T, N</td>
</tr>
<tr>
<td>Ethylvanlate</td>
<td>85-98-3</td>
<td>max 8,0</td>
<td>Xn</td>
</tr>
<tr>
<td>Dibutylylphthalate</td>
<td>84-74-2</td>
<td>max 8,0</td>
<td>T, N</td>
</tr>
<tr>
<td>Potassium nitrate</td>
<td>7757-79-1</td>
<td>max 1,0</td>
<td>O, Xi</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled: At appearance of first symptoms remove the victim to fresh air. In case of dizziness, place the victim on his side. In case of increased symptoms immediately seek medical attention.

In case of skin contact: Thoroughly wash point of contact with soap and water. Remove contaminated clothing and shoes.

In case of eye contact: Flush eyes with water for 15 minutes, carefully lifting the upper and lower eyelid. In case of extreme redness, burning or persistent tearing seek medical attention.

In case of ingestion: Poison. Get medical attention immediately. If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.

4.2 Most significant symptoms and effects, acute and chronic

Acute:

If inhaled: Harmful if inhaled. Inhalation of high concentrations of powder, dust, or fume may cause respiratory and nasal irritation and difficulty in breathing.

In case of skin contact: May be harmful if absorbed through skin.

In case of eye contact: Can cause irritation consisting of redness, swelling and pain.

In case of ingestion: Harmful if swallowed. Ingestion of dust may cause nausea, vomiting, constipation, cramps and stomach pain.

Chronic: Prolonged and repeated skin contact may cause irritation and allergy. Prolonged and repeated inhalation of dust or fume may cause lung irritation. Nitroglycerine will produce dilation of blood vessels and drop in blood pressure.

4.3 Indication of any immediate medical attention and special treatment needed

N/A

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Large quantities of jet-sprayed water.

5.2 Special hazards arising from the substance or mixture

Hazard data Main combustion products are carbon-dioxide and nitrogen oxides.

5.3 Advice for firefighters

Special firefighters protective equipment Self-contained breathing apparatus on compressed air, heat protection body suit

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection Remove possible ignition sources (fire, lighted cigarette, spark, etc.)

6.2 Environmental precautions

Protection measures Prevent spilling into water, water streams, basements, shafts or sewerage.

6.3 Methods and materials for containment and cleaning-up

Cleaning-up procedures in case of spilling The water-wetted product shall be collected with non-sparking tools and removed into a separate and labeled container.
Waste shall be incinerated in open air and ignited at a protected location. Destroying shall be carried out under the supervision of expert personnel. Contact the firefighters.

6.4 Reference to other sections
Disposal of waste - Section 13; Use of personal protective equipment - Section 8

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

<table>
<thead>
<tr>
<th>Personal protection measures</th>
<th>Prevent contact with hot parts, sparks, flame and ignition sources.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe handling instructions</td>
<td>Due to the explosive properties the product must be handled with caution (see item 3). Use only approved equipment. Use non-sparking tools.</td>
</tr>
</tbody>
</table>

7.2 Conditions for safe storage, including any incompatibilities

| Appropriate conditions       | Store in a dry, cool place, only at locations approved for storing explosives. Recommended storing temperature: 21°C, 50% humidity |
| Inappropriate conditions     | Do not store in the same area with any materials that may initiate ignition of powder (e.g. fuses with primers, blasting fuses, primers, solvents, flammable gases and other flammable materials) |

7.3 Specific requirements

| Packaging material | Empty packaging may contain remainders of powder, therefore it must be treated as dangerous waste. |

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

| Permitted exposure limit | NC 10 mg/m³, DFA 10 mg/m³, NG 0.46 mg/m³ (skin) |

8.2 Exposure controls

| Respiratory protection: | In case of danger of inhaling dust / wear protective filter for protection from dust |
| Hand protection          | Wear appropriate protective gloves at risk of direct contact. |
| Eye protection           | Wear appropriate goggles at risk of direct contact. |
| Skin protection          | Use 100% cotton fiber clothing and shoes with electro conductive rubber soles. |

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| Appearance: | Solid substance in the form of spheres |
| Colour:     | Gray-black |
| Odour:      | N/A |
| Decomposition temperature (°C): | At heating over 50°C for a longer period of time, decomposition may occur |
| Ignition temperature (°C): | 168 - 172 |
| Specific density | min 1.520 g/cm³ |
| Bulk density | 500-1050 g/dm³ |
| Water solubility: | Non soluble |
| Solubility in other solvents | Ketones and esters |

10 STABILITY AND REACTIVITY

10.1 Reactivity

| Reactivity | When used in accordance with instructions, the product is stable. |

10.2 Chemical stability

| Stability | The product is stable under normal conditions of handling, storing and application. |

10.3 Possibility of hazardous reactions

| Hazardous reactions | Presence of open flame and hazardous material. Prevent contact of product with heat, sparks, flame and other ignition sources. |
10.4 Conditions to avoid

Conditions to avoid
Avoid heat, ignition sources and direct sunlight.

10.5 Incompatible materials

Incompatibility
Acids, bases, oxidants and amines.

10.6 Hazardous decomposition products

Carbon-monoxide, carbon-dioxide and nitrogen oxides.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute effects:
- Oral LD$_{50}$, rat: NC > 5g/kg, DFA 1.12g/kg, DBF 8g/kg, C-l 2.5g/kg, NG 105 mg/kg
- Dermal LD$_{50}$, rabbit: DBF > 20mL/kg, NG > 280mg/kg
- Inhaling LC$_{50}$, rat: DBF 4250mg/m$^3$

Irritation:
- Skin: May irritate skin.
- Eye: May cause redness, tearing, stinging for sensitive persons.
- Respiratory tract: May irritate respiratory organs.

Sensitization:
- Skin: No data available
- Eye: No data available

Chronic effects:
- Effects of repeated exposure: Diphenylamine has been shown to induce kidney damage. The low concentration of this material in product, and the nature of the product, would preclude development of such effect

12 ECOLOGICAL INFORMATION

12.1 Eco-toxicity

Micro-toxicity LC$_{50}$, fish, algi, invertebrate: No data available for this product.
For particular ingredients equals: NC > 1000mg/L, NG = 1228 mg/L (96 h)

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Products:
Collect the product, wetted with water, and remove into a separate container. Destroying shall be performed in the presence of expert personnel. Call the firefighters.

Packaging:
Packaging that can not be re-used is recycled and disposed of in accordance with all federal, state and local requirements.
14 TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Land Transport</th>
<th>Maritime Transport IMDG Code</th>
<th>Air Transport IATA</th>
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<tbody>
<tr>
<td>Proper shipping name</td>
<td>Smokeless powder</td>
<td>Smokeless powder</td>
<td>Smokeless powder</td>
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<tr>
<td>UN No.</td>
<td>0161</td>
<td>0161</td>
<td>0161</td>
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<tr>
<td>Packing group</td>
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<tr>
<td>Class</td>
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<td>1.3C</td>
<td>1.3C</td>
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<td>Sea pollutant</td>
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<td>-</td>
</tr>
<tr>
<td>Passenger Pkg. Inst.</td>
<td>-</td>
<td>-</td>
<td>Forbidden</td>
</tr>
<tr>
<td>Cargo Only Pkg. Inst.</td>
<td>-</td>
<td>-</td>
<td>Forbidden</td>
</tr>
</tbody>
</table>

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This Material Safety Data Sheet has been prepared in accordance with the REACH Regulation, respectively Regulation on classification, packaging, labeling and advertisement of chemicals and specific products

15.2 Assessment of chemical safety

Not conducted

16 OTHER INFORMATION

The list of relevant risk designation and Hazard statement from section 2.

- Extreme risk of explosion by shock, friction, fire or other sources of ignition.
- Very toxic by inhalation, in contact with skin and swallowed
- Irritating to eyes, respiratory system and skin
- May cause sensitization by skin contact
- Toxic to aquatic organisms, may cause long-term adverse effect in the environment
- Keep locked up
- In case accident or if you feel unwell seek medical advice immediately (show the label where possible)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves and eye/face protection

The data contained herein is based on the best of our current knowledge and experience and it describes our product in accordance with the requirements related to safety. Use of the product is beyond our control and in the case of improper use or non-observance of these instructions we do not assume any liability whatsoever for the consequences.

This MSDS was prepared on March 29, 2013.