

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200. Standard must be consulted for specific requirements

## MODEL 3582 Kinetic 37mm Round Bean Bag

### QUICK IDENTIFIER

Common Name: (used on label and list)

## SECTION 1

|  |                                 |                         |              |
|--|---------------------------------|-------------------------|--------------|
| Manufacturer's Name  | Combined Tactical Systems, Inc. |                         |              |
| Address  | 388 Kinsman Road                | Emergency Telephone No. | 800-424-9300 |
| City, State and ZIP  | Jamestown, PA 16134             | Other Information Calls | 724-932-2177 |
| Signature of Person Responsible for Preparation (Optional) | Date Prepared                   |                         | 5/20/11      |

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

| Hazardous Component(s)<br>(chemical & common name(s)) | OSHA<br>PEL          | ACGIH<br>TLV         | Other Exposure<br>Limits         | %<br>(Optional<br>) | CAS No.    |
|---|----------------------|----------------------|----------------------------------|---------------------|------------|
| <b>Center Fire Primer</b>                             |                      |                      |                                  |                     |            |
| Lead Styphnate  | .05mg/m <sup>3</sup> | .15mg/m <sup>3</sup> |                                  |                     | 15245-44-0 |
| Barium Nitrate  | .5mg/m <sup>3</sup>  | .5mg/m <sup>3</sup>  |                                  |                     | 10022-31-8 |
| Antimony Sulfide                                      | .5mg/m <sup>3</sup>  | .5mg/m <sup>3</sup>  |                                  |                     | 1345-04-6  |
| <b>Smokeless Powder</b>                               |                      |                      |                                  |                     |            |
| Nitroglycerin   |                      | .46mg/m <sup>3</sup> | .1mg/m <sup>3</sup><br>OSHA STEL | .35gm               | 55-63-0    |
|   |                      |                      |                                  |                     |            |
|   |                      |                      |                                  |                     |            |
|   |                      |                      |                                  |                     |            |
|   |                      |                      |                                  |                     |            |

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

|                          |   |  |                         |                              |    |
|--------------------------|---|--|-------------------------|------------------------------|----|
| Boiling Point            | NA                                      | Specific Gravity<br>H <sub>2</sub> O=1 | NA                      | Vapor<br>Pressure (mm<br>Hg) | NA |
| Vapor Density<br>(Air=1) | NA                                      | Solubility in<br>Water                 | Not soluble in<br>water | Reactivity in<br>Water       | NA |
| Appearance &<br>Odor     | 37mm Cartridge silver in color, no odor |  |                         | Melting Point                | NA |

## SECTION 4 - FIRE & EXPLOSION DATA

|                                  |    |   |  |                                     |           |    |           |    |
|----------------------------------|----|---|--|-------------------------------------|-----------|----|-----------|----|
| Flash Point                      | NA | Method Used   | NA   | Flammable Limits in Air % by Volume | LEL Lower | NA | UEL Upper | NA |
| Auto-Ignition Temperature        | NA | Extinguisher Media  | Water spray, Apply by mechanical means only. |                                     |           |    |           |    |
| Special Fire Fighting Procedures |    | Fight all fires from a remote and explosion resistant site. Evacuate all non-essential personnel. |  |                                     |           |    |           |    |
| Unusual Fire & Explosion Hazards |    | Use water to cool containers exposed to fire.   |  |                                     |           |    |           |    |
|                                  |    | Net Explosive Weight (NEW) .35gm  |  |                                     |           |    |           |    |

**SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)**

|           |          |                                     |                     |                                  |
|-----------|----------|-------------------------------------|---------------------|----------------------------------|
| Stability | Unstable | <input type="checkbox"/>            | Conditions to Avoid | Heat, flames, mechanical impact, |
|           | Stable   | <input checked="" type="checkbox"/> |                     |                                  |

|                                      |   |
|--------------------------------------|---|
| Incompatibility (Materials to Avoid) | Acids, caustics and strong oxidizing agents |
|--------------------------------------|---|

|                                  |  |
|----------------------------------|--|
| Hazardous Decomposition Products | Burning may produce Nitrogen oxide carbon monoxide |
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|                          |                |                                     |                     |     |
|--------------------------|----------------|-------------------------------------|---------------------|-----|
| Hazardous Polymerization | May Occur      | <input type="checkbox"/>            | Conditions to Avoid | N/A |
|                          | Will Not Occur | <input checked="" type="checkbox"/> |                     |     |

**SECTION 6 - HEALTH HAZARDS**

|          |                            |            |                            |
|----------|----------------------------|------------|----------------------------|
| 1. Acute | None under normal handling | 2. Chronic | None under normal handling |
|----------|----------------------------|------------|----------------------------|

|                                |            |
|--------------------------------|------------|
| Signs and Symptoms of Exposure | None Known |
|--------------------------------|------------|

|   |            |
|---|------------|
| Medical Conditions Generally Aggravated by Exposure | None Known |
|---|------------|

|  |                             |     |                                     |                     |     |                                     |      |     |                                     |
|--|-----------------------------|-----|-------------------------------------|---------------------|-----|-------------------------------------|------|-----|-------------------------------------|
| Listed as Carcinogen or Potential Carcinogen | National Toxicology Program | Yes | <input type="checkbox"/>            | I.A.R.C. Monographs | Yes | <input type="checkbox"/>            | OSHA | Yes | <input type="checkbox"/>            |
|  |                             | No  | <input checked="" type="checkbox"/> |                     | No  | <input checked="" type="checkbox"/> |      | No  | <input checked="" type="checkbox"/> |

|                                    |   |
|------------------------------------|---|
| Emergency and First Aid Procedures | If any medical problem arises from the use of this product seek medical attention from qualified medical persons. |
|------------------------------------|---|

|                        |               |     |
|------------------------|---------------|-----|
| <b>ROUTES OF ENTRY</b> | 1. Inhalation | N/A |
|                        | 2. Eyes       | N/A |
|                        | 3. Skin       | N/A |
|                        | 4. Ingestion  | N/A |

**SECTION 7 - SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES**

|                                     |   |
|-------------------------------------|---|
| Precautions in Handling and Storage | Keep away from heat, flames or strong oxidizers |
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|                   |   |
|-------------------|---|
| Other precautions | Handle as DOD, UN and DOT explosive device per Federal, State and Local laws. |
|-------------------|---|

|   |  |
|---|--|
| Steps to be Taken in Case Material is released or Spilled | Undamaged units may be picked up and returned to shipping container. |
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|  |  |
|--|--|
| Waste Disposal Method (Consult Federal, State and local Regulations) | By persons qualified to dispose of explosives at an approved site under approved procedures. |
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**SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES**

|                                       |     |
|---------------------------------------|-----|
| Respiratory Protection (Specify Type) | N/A |
|---------------------------------------|-----|

|             |     |               |     |                      |     |         |     |       |     |
|-------------|-----|---------------|-----|----------------------|-----|---------|-----|-------|-----|
| Ventilation | N/A | Local Exhaust | N/A | Mechanical (General) | N/A | Special | N/A | Other | N/A |
|-------------|-----|---------------|-----|----------------------|-----|---------|-----|-------|-----|

|                   |    |                |     |  |     |
|-------------------|----|----------------|-----|--|-----|
| Protective Gloves | No | Eye Protection | Yes | Other Protective Clothing or Equipment | N/A |
|-------------------|----|----------------|-----|--|-----|

|                           |                          |
|---------------------------|--------------------------|
| Work / Hygienic Practices | Normal Hygiene Practices |
|---------------------------|--------------------------|

**IMPORTANT** - Do not leave any blank spaces. If required information is unavailable, unknown or does not apply, so indicate.