

# 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 2553 Kinetic 12ga. Sting Ball™ High Velocity Cartridge

### 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		10/27/99

### SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (Optional)	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>RED DOT® smokeless powder</b>					
				.84gm	
Nitroglycerin		.46mg/m <sup>3</sup>	.1mg/m <sup>3</sup> OSHA STEL		55-63-0
Diphenylamine		10mg/m <sup>3</sup>			122-39-4

Sources: Manufacturers MSDS's

### SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	NA	Specific Gravity H <sub>2</sub> O=1	NA	Vapor Pressure (mm Hg)	NA
Vapor Density (Air=1)	NA	Solubility in Water	Not soluble in water	Reactivity in Water	NA
Appearance & Odor	12ga cartridge orange 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) .84gm						

**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
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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
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Signs and Symptoms of Exposure	None Known
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Medical Conditions Generally Aggravated by Exposure	None Known
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Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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Emergency and First Aid Procedures	If any medical problem arises from the use of this product seek medical attention from qualified medical persons.
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<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.
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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
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Ventilation	N/A	Local Exhaust	N/A	Mechanical (General)	N/A	Special	N/A	Other	N/A
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Protective Gloves	No	Eye Protection	Yes	Other Protective Clothing or Equipment	N/A
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Work / Hygienic Practices	Normal Hygiene Practices
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**IMPORTANT** - Do not leave any blank spaces. If required information is unavailable, unknown or does not apply, so indicate.