

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 2595 12ga Muzzle Bang 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		12/11/06

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (Optional)	CAS No.
Center Fire Primer					
Lead Styphnate	.05mg/m ³	.15mg/m ³			15245-44-0
Barium Nitrate	.5mg/m ³	.5mg/m ³			10022-31-8
Antimony Sulfide	.5mg/m ³	.5mg/m ³			1345-04-6

Output Charge – Black Powder

8 gm

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	NA	Specific Gravity H ₂ 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, 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	CO2, dry chemical. DO NOT USE WATER. Water may generate hydrogen gas and cause explosion risk.					
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) 8 gm						

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)	Water			
Hazardous Decomposition Products	Saturation with water will cause hydrogen gas.			
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							
Products of combustion are considered non-toxic.											
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.									
ROUTES OF ENTRY	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 in cool dry area away from heat, flames or strong oxidizers.
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. Use hearing, eye protection, and protective gloves
Waste Disposal Method (Consult Federal, State and local Regulations)	By persons qualified to dispose of explosives at an approved site under approved procedures.

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	Yes	Eye Protection	Yes	Other Protective Clothing or Equipment		Yes – Hearing protection			
Work / Hygienic Practices		Normal Practices							

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