MODEL ALS1203 Tri-Dent .60 Cal Rubber Balls ALS1204 Hornets Nest, .32 Cal Rubber Balls ALS1204HV Hornets Nest, .32 Cal Rubber Balls, High Velocity

MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE: CHEMTREC (800)-474-9300

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATIONS STANDARD, 29 CFR 1910.1200. THIS PRODUCT MAY BE CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD. CONSULT STANDARD FOR SPECIFIC REQUIREMENTS.

SECTION 1 - PRODUCT IDENTIFICATION

Product Name	Tri-Dent .60 Cal Rubber Balls	Model Number	ALS1203
	Hornets Nest, .32 Cal Rubber Balls		ALS1204
	Hornets Nest, .32 Cal Rubber Balls, High		ALS1204HV
	Velocity		
Manufacturer Name	AMTEC Less Lethal Systems, Inc.	Phone:	850-223-4066
Address	4700 Providence Road	Date Prepared	1/26/06
City, State, and Zip	Perry, FL 32347	MSDS #	MSDS-1204

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	OSHA PEL	ACGIH TLV	Approximate Percentage	CAS Number
Projectile			•	
Polymer	3.5mg/m3	3.5mg/m3		133-86-4
(Carbon Black)	Not Fotolillot and	NI-4 F-4-bB-bd		
Themoplastic rubber mixture	Not Established	Not Established		
Cartridge Case				
HD Polyethylene Plastic w/inert coloring	Not Established	Not Established		9002-88-4
Brass	Not Established	Not Established		Not Available
Brass Plated Steel	Not Established	Not Established		Not Available
Nickel Zinc Plated Or Zinc Plated Steel	Not Established	Not Established		Not Available
Propellant				
Nitrocellulose	Not Established	Not Established		9004-70-0
*Nitroglycerine	2mg/m3 Ceiling	.46mg/m3 (skin)		55-63-0
Graphite	15mg/m3 (5mg/m3 As repirable dust)	2mg/m3		7782-42-5
Primer- *Lead Styphnate (As Lead)	.05mg/m3	.05mg/m3		12403-82-6
*Barium Nitrate (As Barium)	.5mg/m3	.5mg/m3		7440-38-3
Antimony Sulfide (As Antimony)	.5mg/m3	.5mg/m3		7440-36-0
Aluminum	15mg/m3 (5mg/m3 As respirable dust)	10mg/m3		7429-90-5
Nitrocellulose (See above)				
*Nitroglycerine (See above)				

SECTION 3 – PHYSICAL CHARACTERISTICS

Physical State	Solid	Boiling Point	NA	Vapor Pressure	NA
Reactivity in Water	NA	Melting Point	NA	Vapor Density	NA
Solubility in Water	No	Freezing Point	NA	Specific Gravity	NA
Odor & Appearance	Brass, brass	plated steel or nicke	l/zinc plated steel.	Base with a clear, red,	orange, or
	brown plastic tube. No odor.				

SECTION 4 - FIRE & EXPLOSION DATA

Flammability	Yes	Flash Point	NA	Method Used	NA	
Upper Flammability Lim	Upper Flammability Limit in Air % by Volume			Auto Ignition Temp.	NA	
Lower Flammability Limit in Air % by Volume			NA			
Special Fire Fighting Procedures Wear full fire-fig		Wear full fire-fighte	r protective gear in	ncluding face shield or S	CBA. Use	
		fog pattern nozzle to stop any velocity fragments. Use water to cool				
ordinary combus		ordinary combustib	les below ignition	temperature.		
Unusual Fire & Explosion Hazards		May ignite if heated	d to 250 degrees F	f, independent of air, und	confined	
		ignited cartridges of	an produce low ve	locity metallic fragments	s, which may	
cause eye injury		cause eye injury or	superficial skin w	ounds if unprotected. Co	onsider initial	
evacuation for 2			meters.			

SECTION 5 – REACTIVITY DATA

Stability	□ Unstable			Conditions to Avoid: Individual cartridges may ignite if the primer is struck
				or if the cartridge is exposed to excess heat
Incompat	ability with		Yes	Conditions to Avoid:
Other Sub	ostances	$\overline{\mathbf{X}}$	No	
Incompat	ibility (material	s to a	void)	Ooils, Acids, Alkalies, Ammonia, and other Corrosive materials
Hazardou	s Decomposition	on Pro	ducts	Oxides of Barium, Lead, Antimony, Aluminum, Magnesium, Nitrogen,
				Carbon, and Sulfur. Lead and Antimony fumes may also be
				produced.

SECTION 6 – HEALTH HAZARDS

Acute			Mild throat, eye a		Chronic		None
			upper respiratory				
			irritation				
Route of Entry		Inhalation,	eye contact				
Medical Condition	ns Ag	gravated by	/ Exposure	Asthma	a, or any Respirato	ry Con	dition
Signs & Symptoms of Exposure		Mild throat, ey	e and u	oper respiratory irri	itation		
Carcinogenicity			No	Listed	in		None Known
First Aid	Seek	attention of	any medical proble	m arises	from exposure to	this pr	oduct
Route of Entry			Inhalation	ammur			ites produced while firing roat, eye and upper
			Eye Contact	Will ca	use irritation		
			Skin Contact	None	·		
			Ingestion	Contac	t Physician		

SECTION 7 – PREVENTIVE MEASURES

Handling & Storage	Store in cool, dry area in the original container to assure performance. Keep out
	of reach of children. Avoid striking primer, excess heat. Remove ammunition
	from service if there is evidence of corrosion, physical damage, exposure to oil or
	spray type lubricants, stored at or above 200 degrees F

Personal Protective		Hea	Hearing protection is recommended while discharging cartridges.			
Equipme				_	T	
Gloves	Not	Eye		Yes Recommend protective eyewear conforming	Protective Clothing	
	generally	Prot	ection	n to ANSI Z-87		
	required					
Ventilati	on		Local or General Ventilation to meet PEL limits			
Respiratory Protection			eeding PEL			
Waste Disposal Method Cont		Contact	Manufacturer – Product Service			

SECTION 8 - FIRST AID MEASURES

First Aid	Seek attention if any medical problem arises from exposure to this product		
Route of Entry	Inhalation Remove victim to fresh air, oxygen if needed		
		Eye Contact	Move person to fresh air. If foreign body is suspected, wash eyes in fresh water for 15 minutes, contact physician
	Skin Contact Wash with soap and water		
		Ingestion	Contact physician

SECTION 14 - TRANSPORTATION INFORMATION

Approval #	Product Code	Description	Un Shipping	Hazard
EX2001080051A	ALS1203	Tri-Dent	Cartridges for weapons, inert projectile UN0012	1.4S
EX2001080051A	ALS1204	Hornets Nest 20 Ball	Cartridges for weapons, inert projectile UN0012	1.4S
EX2001080051A	ALS1204HV	Hornets Nest High Velocity	Cartridges for weapons, inert projectile UN0012	1.4S

SECTION 16 - PREPARATION OF MSDS

Prepared By	AMTEC Less-Lethal Systems, Inc.