



Material Safety Data Sheet (MSDS-PLT)

PRODUCT IDENTIFICATION	
Product Name	Explosive Cartridges or Explosive Pellets
Trade Names and Synonyms	
Manufacturer/Distributor	Various
Transportation Emergency	800-255-3924 (24 hrs -- <i>CHEM • TEL</i>)

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES

The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers.

WARNING

All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, **DO NOT USE IT** before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he should consult the manufacturer before use.

HAZARDOUS COMPONENTS			
Material or Component	CAS No.	TLV	PEL
Black Powder	N/A	NE	NE
C-4	See RDX	See RDX	See RDX
HMX (Cyclotetramethylenetetranitramine)	02691-41-0	NE	NE
HNS (Hexanitrostilbene)	20062-22-0	NE	NE
PYX (Picrylaminodinitropyridine)	38082-89-2	NE	NE
RDX (Cyclotrimethylenetrinitramine)	00121-82-4	1.5 mg/m ³	1.5 mg/m ³
Smokeless	000055-63-0	0.46 mg/m ³	0.1 mg/m ³
<i>Depending upon model, cartridges/pellets contain one of the items listed above</i> N/A = Not assigned NE = Not established			

PHYSICAL DATA
Cartridges or Pellets of compressed high explosive. May be contained in plastic case. May be any of a number of different shapes.

HAZARDOUS REACTIVITY	
Instability	Detonates with friction, impact, heat, low level electrical current, electrostatic or RF energy
Incompatibility	Acids and alkalis
Hazardous decomposition	Detonation produces hazardous fragments. Gases produced may contain lead, carbon, and nitrogen oxide.
Polymerization	Polymerization will not occur.

FIRE AND EXPLOSION DATA	
Flashpoint	Not applicable
Extinguishing media	None
Special fire fighting procedures	ALL EXPLOSIVES: DO NOT FIGHT EXPLOSIVES FIRES. Try to keep fire from reaching explosives. Isolate area. Guard against intruders. Division 1.4 Explosives: Evacuate the area for 1500 feet (1/3 mile). Consult <i>the 2000 Emergency Response Guidebook, Guide 114</i> for further details.
Unusual fire and explosion hazards	May detonate with impact or on heating.

HEALTH HAZARDS	
General	<p>Pellets do not present health hazards in normal handling and use; however, the products are Division 1.4 explosives, and detonation may cause severe physical injury, including death. All explosives are dangerous and must be handled carefully and used following approved safety procedures under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, and ordinances.</p> <p>Inhalation of explosive powders may cause nervous system irregularities including headaches and dizziness.</p> <p>Nitrogen oxides generated during use are skin, eye, and respiratory tract irritants.</p>
Carcinogenicity	None of the components of Pellets are listed as a carcinogen by NTP, IARC, or OSHA.

FIRST AID	
Inhalation	Not a likely route of exposure. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably by mouth-to-mouth. If breathing is difficult, give oxygen. Seek prompt medical attention.
Eye and skin contact	Not a likely route of exposure.
Ingestion	Not a likely route of exposure.
Injury from detonation	Seek prompt medical attention.

SPILL OR LEAK PROCEDURES	
Spill/leak response	Use appropriate personal protective equipment. Isolate area and remove sources of friction, impact, heat, low level electrical current, electrostatic or RF energy. Only competent, experienced persons should be involved in cleanup procedures. Sweep up with non-sparking tools and remove.
Waste disposal	Dispose of in compliance with federal regulations under the authority of the <i>Resource Conservation and Recovery Act</i> (40 CFR Parts 260-271).

SPECIAL PROTECTION INFORMATION	
Ventilation	Use only with adequate ventilation.
Respiratory	NIOSH approved particle masks for dust and mist.
Eye	Safety glasses or goggles.
Gloves	Impervious rubber gloves.
Other	Cotton overalls, undergarments and socks. Conductive soled shoes

SPECIAL PRECAUTIONS	
Keep away from friction, impact, and heat. Do not consume food, drink, or tobacco in areas where they may become contaminated with these materials.	

STORAGE CONDITIONS	
Store in accordance with the requirements of <i>Subpart K, ATF: Explosives Law and Regulations</i> (27 CFR 555.201-555.219).	

SHIPPING INFORMATION (May be one of the following)		
Proper shipping name	Charges, shaped	
Hazard class	1.4S	
UN Number	UN0441	
DOT Label & Placard	DOT Label	EXPLOSIVE 1.4S
	DOT Placard	EXPLOSIVE 1.4
Proper shipping name	Articles, explosive, n.o.s. (** pellets or ** cartridges) (** = RDX, HMX, HNS, PYX, C-4, etc.)	
Hazard class	1.4D	
UN Number	UN0352	
DOT Label & Placard	DOT Label	EXPLOSIVE 1.4D
	DOT Placard	EXPLOSIVE 1.4
Proper shipping name	Articles, explosive, n.o.s. (** pellets or ** cartridges) (** = RDX, HMX, HNS, PYX, C-4, etc.)	
Hazard class	1.4S	
UN Number	UN0349	
DOT Label & Placard	DOT Label	EXPLOSIVE 1.4S
	DOT Placard	EXPLOSIVES 1.4

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