

MatrEX™

NEW
IN 2026



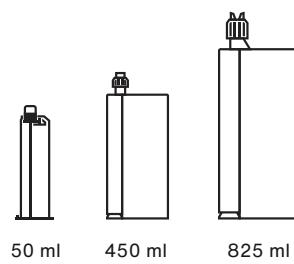
MatrEX™ Gel is a nitromethane-based binary explosive packaged in a two-part cartridge system—non-explosive until mixed. Once combined, it forms a gelatinous, high-energy explosive optimized for dynamic disruption tools and standard demolition configurations, including linear shape charges. MatrEX™ reduces shape-charge build time by up to two-thirds, maintains long-term stability when stored airtight, and ships under Class 3 (flammable liquid) classification—avoiding costly explosive hazmat fees. Available in 50 mL, 450 mL, and 825 mL cartridges, MatrEX™ delivers safe, consistent, and reliable performance for military, law-enforcement, and emergency-response professionals.

ORDER CODE
 MTX5010
 MTX5050
 MTX45015
 MTX82510
 MTXDRM

TECHNICAL SPECIFICATIONS

WEIGHTS FILLED	50ml Cartridge: 0.11 lbs. 450ml Cartridge: 1.25 lbs 825ml Cartridge: 2.18 lbs
R.E. FACTOR	1.14
DETONATION OF VELOCITY	6,200 m/s
DENSITY	1.09 g/ml
CRITICAL DIAMETER	3/8" un-boosted / 1/4" boosted
VISCOSITY	200,000 cPs
SENSITIVITY	#7 & #8 Standard blasting cap Standard 50 gr/ft detonation cord
SENSITIVITY	~300x less sensitive than standard C-4
HAZARDOUS MATERIALS CLASSIFICATION	Class 3.1, Flammable liquid
SHELF LIFE TO DATE	21 months (positive testing), Airtight storage

CARTRIDGE SIZES



FEATURES

- Class 3 classification reduces shipping and storage fees
- Low shipping cost
- Blasting cap or detcord required for detonation
- R.E. factor comparable to C4
- Long shelf stability
- Binary gel conforms to any shape
- Gel form more versatile than liquid and prevents leaks and spills
- Easy disposal

Note: MatrEX™ products are intended for use only by authorized, trained personnel and agencies operating under applicable laws, regulations, and safety protocols; this informational sheet does not provide operational guidance or instructions.

Dispensing applicator sold separately

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