



HMX



HMX & its Compounds

High Performance Explosives

It is a complete range of High-Performance Explosives and its compositions from its “State-of-The-Art” manufacturing plants. The facilities to produce HMX and HMX Compounds with high purity and fineness. We also produce HMX compounds coated with high melting waxes and synthetic polymers such as Viton for pressing applications providing an enhanced phlegmatization effect resulting in less sensitivity. The modern production facility has well defined and documented Quality Management System. Laboratory having latest comprehensive testing facilities with NABL accreditation.

Application

- Melt-casted and pressed Military Charges
- Cast Cured charges for Insensitive Munitions (IM)
- Pyrotechnics (cap-relay, cutting cords, detonators)
- Initiation and main charges for oil well perforating charges.

Product Description

- Chemical Names: Octogen, HMX, Cyclotetramethylene, Tetranitramine, Tetrahexamine, Tetranitramine, Octahydro - 1,3,5,7 -Tetranitro -1,3,5,7 -Tetrazocine.
- CAS No. : 2691- 41-0
- Chemical Formula: C₄ H₈ N₈ O₈
- Confirm to MIL - DTL- 45444C
- Grade: A & B, Class: 1 to 6

Product Characteristics

Appearance	White
*Purity %	Grade A : 93.0 min. Grade B : 98.0 min.
Melting Point °C by DSC	277.0 min.
Detonation Velocity m/s	9100
Acetone Insoluble material %	0.05 max.
Particle Size	As per MIL-DTL-45444C, Class 1 to 6
Appearance	0.01 White

HMX based compositions

- Melt cast compositions – OCTOL
- Pressed compositions, such as SOMA, SOKFOL, PBXN-5 etc.
- Premix for Cast Cure charges for Insensitive Munitions.

*Note: On request High Purity HMX can be supplied.

