



## RDX



### RDX & 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. also produces latest insensitive RDX which offers significant advantage by reducing shock sensitivity level of RDX based compositions. We manufacture RDX 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

RDX compositions have uses in variety of Military and Civil applications :

- 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: Hexogen, RDX, Cyclonite, Hexahydro-1,3,5-trinitro-s-triazine.
- CAS No. : 121-82-4
- Chemical Formula : C<sub>3</sub> H<sub>6</sub> N<sub>6</sub> O<sub>6</sub>
- Confirms to: MIL-DTL-398 D
- RDX based compositions available according to Military Standards
- Melt cast compositions, such as Comp B, Hexotole, Hexolite, Torpex etc.
- Pressed compositions, such as Comp A3, Comp A4, Comp A5 etc.
- Premix for Cast Cure charges for Insensitive Munitions.

#### Product Characteristics

Appearance	White Crystal
Melting Point C	Type I : 200 min
	Type II : 190 min
Purity %	Type I : 95.0 min
	Type II : 83 min & 96 max
Detonation Velocity m/s	8750
Acetone Insoluble material %	0.05 % max
Particle Size	As per MIL -DTL- 398 D 0.01 Class 1 to 8

