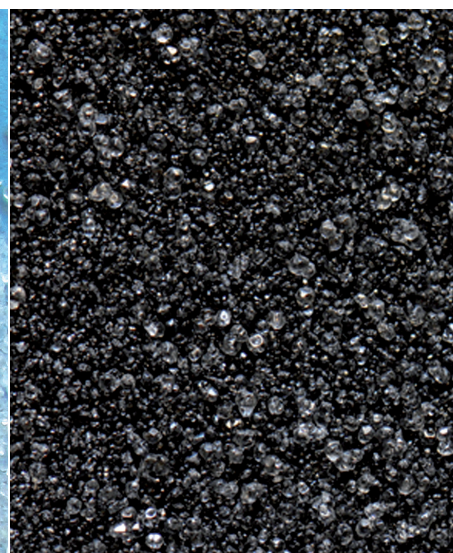
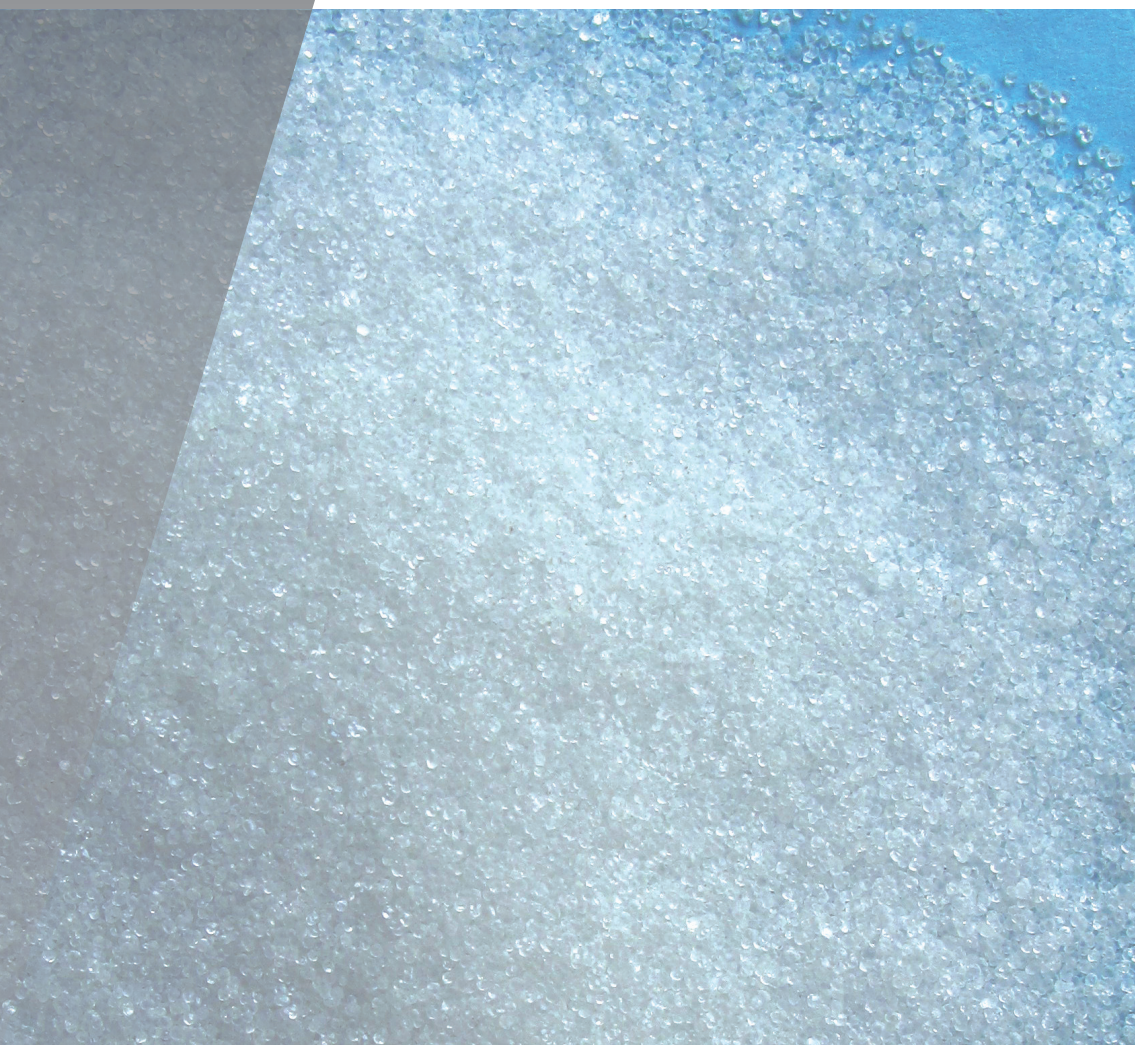




RDX AND COMPOSITIONS



High Performance Explosive

Leading worldwide specialist in the field of high explosives, EURENCO offers its customers a complete range of high explosives and compositions thanks to high-tech manufacturing capabilities. EURENCO produces RDX by the Woolwich or Bachmann process. Used in a wide range of compositions, RDX represents the best solution for both performance and cost. EURENCO also produces a unique quality of Insensitive RDX (I-RDX®), which brings a significant advantage by reducing shock sensitivity level of RDX-based compositions.



Application and user's advantages

Available in all standard grain sizes, RDX and I-RDX® are used in a variety of military and civil applications:

- Melt-cast and pressed explosive ammunition
- Cast PBX charges for insensitive munitions
- Boosters
- LOVA composite propellants
- Pyrotechnics (cap-relay, cutting cords, detonators)

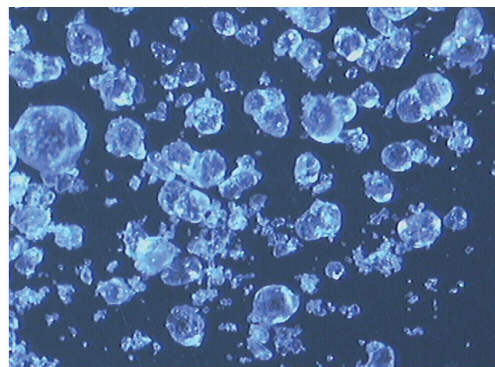


RDX

High Performance Explosive

Product Description

- Chemical names: Hexogen, RDX, Cyclonite, Hexahydro-1,3,5-trinitro-1,3,5-triazine
- CAS number: 121-82-4
- Chemical formula: $C_3H_6N_6O_6$
- RDX qualities according to MIL-DTL-398 D specifications:
 - Standard particle sizes: Class 1 to class 5
 - Specific grades available on request.
- RDX-based compositions available according to NATO standard or customer tailored specifications:
 - Melt-cast compositions (RDX-TNT, Comp B,...)
 - Pressed compositions (RDX-wax, RDX-binder, Comp A3, Comp A4, Comp A5, Hexal, PBXN-7,...)
 - Premix of plasticized compositions for Cast PBX (CXM7,...)



Product Characteristics

- Crystal density: 1.82 g/cm³
- Heat of combustion: -2092.0 ± 2.1 kJ/mol solid phase
- Detonation velocity, confined: 8 750 m/s (1.76 g/cm³)
- Volume of detonation gases: 900 l/kg
- Impact sensitivity: 7.5 J
- Friction sensitivity: 120 N
- Critical diameter of steel sleeve test: 8 mm



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