RDX (Hexogen - Cyclonite-Cyclotrimethylene Trinitramine)

Description

Hexogen (RDX) is a white crystalline powder. Among the manufactures in the world, hexogen has a different production process. Our process is according to Bachman method (Type II).
Phlegmatized and pressed RDX is used as highly brisance material for the manufacture of boosters and hollow charges. Non phlegmatized RDX in combination with TNT is also used as parable mixture for hollow charges and brisant explosive charges, (composition B), mixture of cyclonite and Aluminium powder are used as torpedo charges (hexotonal, torpex).
Sometime this material could be used as an additive in manufacture of smokeless powders in manufacturing explosive charges which are required to have a certain mechanical strength or rubber elastic toughness. Cyclonite is incorporated with curable plastic materials such as polyurethanes, polybutadiene or polysulfide and is poured into molds (plastic explosive).

Application

- Melt-cast and pressed explosive ammunition
- Energetic charges for LOVA composite propellants
- Pyrotechnics: cap-relay explosives, cutting cords, detonators, boosters
- Initiation and main charges for oil well perforating charges
- Cast PBX charges for insensitive munitions
- Energetic charges for composite solid propellants

Packaging

- Polyethylene bag, 25 kg net of dry substance in wooden box or barrel.
- UN. No: 0072

TECHNICAL SPECIFICATIONS

Parameter	Type II
Melting point	Min. 190 °C
Acidity (as acetic acid)	Max. 0.02 %
Total Insoluble in acetone	Max. 0.05 %
Inorganic Insoluble	Max. 0.03 %
Granulation	Based on customer order
Appearance	White crystalline