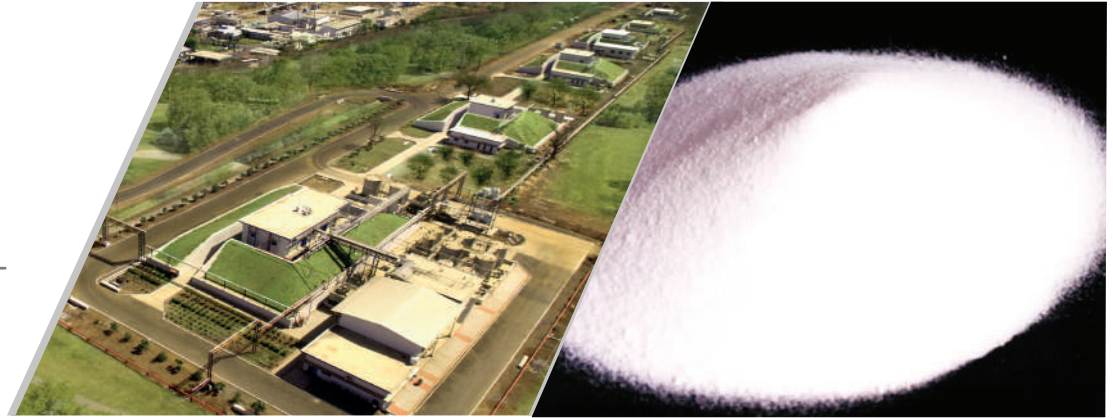




Safety • Quality • Reliability

Technical Data Sheet

RDX[®]



RDX AND ITS COMPOUNDS High Performance Explosives

Solar provides a complete range of High Performance Explosives and its compositions from its "State-of-The-Art" manufacturing plants. Solar also produces latest insensitive RDX which offers significant advantage by reducing shock sensitivity level of RDX based compositions.

Solar also manufactures 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 ISO/IEC-17025-2017.

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 : C₃ H₆ N₆ O₆
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 Class 1 to 8

Disclaimer

Use of these products by anyone who lacks adequate training, experience & supervision may kill or injure. It is expressly understood that any technical advice furnished by SILL with reference to the use of its Products is given gratis & SILL assumes no obligation or liability for the advice given or results obtained, & all such advice being given is accepted at Customer's risk.

SILL makes no warranty of any kind, written or oral, express or implied, except that the Products shall meet SILL's standard specifications for such Products. Customer shall assume all risk and liability for results obtained by the use of such Products whether used singly or in combination with other products. Under no circumstances shall SILL or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits. Any dispute arising out of above information shall be dealt in accordance with the laws of Republic of India and subject to jurisdiction of Courts at Nagpur, India.

*Images are just for reference and can be changed without any intimations.

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