

RS-RDX

The reduced sensitivity (RS) energetic solution



CHARACTERISTICS

Product	RDX (Woolwich process) Type 1
Current specification	DEF (AUST) 5382B MIL-R-398(US) Type 1
Australian Munitions product	Grade A; Grade E; Class 1 Class 3
Source specification	DEF STAN 07-23(UK) MIL-DTL-398 (US) type 1 NATO STANAG 4022
Pack size	15 kg Pails

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IN THE BATTLE SINCE 1888

RS-RDX has been developed by Australian Munitions to conform to the stringent design parameters of the Australian Defence Force (ADF). RS-RDX is manufactured at Australian Munitions' Mulwala facility and is currently in-service with the ADF and international defence forces.

Further testing by the Defence and Science Technology Organisation (DSTO), an Australian Defence Department has confirmed that Grade A RS-RDX used in PBXN-109 formulations has a marked reduction in shock sensitivity. RS-RDX satisfies all the chemical, physical and operational requirements of the relevant source specifications.

SPECIAL FEATURES

Australian Munitions RS-RDX provides the technological edge to the insensitive energetic material requirements of our customers.

ENHANCED PERSONNEL AND PLATFORM SURVIVABILITY

The benefits of using insensitive explosives to enhance personnel and platform survivability have been widely reported. As the worldwide requirements for insensitive explosives increases, Australian Munitions' insensitive RS-RDX is available to meet this growing demand.



OPERATIONAL INSENSITIVE

Extensive testing, as part of the multinational RS-RDX Round Robin (R4) Programme has confirmed that RS-RDX has equivalent insensitivity to that of SNPE "I-RDX" in PBX formulations. Substitution of RS-RDX in PBX formulations considerably reduces the shock sensitivity of these compositions without adversely affecting performance, chemical or physical characteristics.

Research to date has confirmed that Grade A RS-RDX used in PBXN-109 formulations has a marked reduction in shock sensitivity compared to the current formulation produced in Australia for the Penguin anti-ship missile using imported standard insensitive material.

PACKAGING

Australian Munitions RS-RDX can be shipped in standard military packages conforming to the UN recommendations for packaging of dangerous goods.



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