HIGH MELTING EXPLOSIVE · OCTOGEN

HMX

TECHNICAL DATASHEET

Our state-of-the-art manufacturing processes ensure consistent purity, high detonation velocity, and exceptional energy output, making our HMX the preferred choice for applications where precision, reliability, and power are mission-critical.



TECHNICAL DETAILS

SPECIFICATION	VALUE
Colour	White crystalline powder
Odour	Odourless
Purity %	Grade I: >93% · Grade II: >98%
Chemical Formula	$C_4H_8N_8O_8$
Boiling Point	276 °C to 280 °C
Molecular Weight	296.2 g/mol
Deflagration Point	287 °C
Detonation Velocity	9100 m/s
Danger of Explosion	Danger of explosion due to impact, friction, fire and other sources of ignition. The heat can cause an explosion.

APPLICATION

- Melt-cast and pressed military charges.
- Cast-cured charges for Insensitive Munitions (IM).
- Pyrotechnic systems (cap-relay, cutting cords, detonators).
- Initiation and main charges for oil-well perforating systems.
- Formulation of plastic bonded explosive and melt castable composition.

ADVANTAGES

- Very high detonation velocity.
- Excellent thermal stability.
- High density and energy content.
- Consistent and predictable performance.
- Suitable for advanced and specialized applications.

OFFICE
A-608, WALLFORT ENCLAVE-2, PACHPEDI NAKA
RAIPUR CHHATTISGARH 492001

PHONE
+91 9993555756

EMAIL
sivatradeandpack1@gmail.com

HANDLING AND OPERATIONAL SAFETY

- Use only approved personal protective equipment (PPE) specifically designed for handling high-energy materials.
- Handle with care to avoid physical damage to packaging; ensure containers remain sealed and secure at all times.
- Prevent contact with incompatible materials and operate within a strictly controlled handling environment.

PACKAGING

HMX is packed and supplied in 8 kg corrugated boxes with 2 anti-static liners inside for enhanced protection and safe transportation.

ADVANCED STORAGE REQUIREMENTS

- Store in a dry, well-ventilated area at stable ambient temperatures to preserve chemical integrity.
- Keep strictly isolated from heat sources, open flames, sparks, and other potential ignition points.
- Avoid exposure to direct sunlight; store away from strong acids, alkalies, and reactive chemicals.

PRODUCT DISCLAIMER

© 2026 Siva Trade and Pack. All rights reserved. The details presented in this document (“Information”) are intended to provide general technical guidance regarding the referenced products (“Products”). While reasonable care has been taken in compiling this Information, Siva Trade and Pack does not guarantee its accuracy, consistency, or applicability to every operational environment, and the Information may be updated or amended without prior notice.

Explosive Products must only be handled, transported, and used by personnel who are properly trained, certified, and authorized to work with such materials. Users are responsible for assessing site-specific conditions, verifying regulatory requirements, and ensuring that all procedures align with applicable safety standards and legal obligations.

To the extent permitted by law, Siva Trade and Pack rejects any form of warranty — statutory, express, or implied — relating to the Information or the Products, including but not limited to performance guarantees or suitability for a particular use. The company shall not be held liable for any loss, damage, injury, or operational consequence arising from reliance on this Information or from misuse or improper handling of the Products. This document is provided solely for reference and shall not be interpreted as a contractual commitment, product guarantee, or legally binding representation by Siva Trade and Pack.

OFFICE
A-608, WALLFORT ENCLAVE-2, PACHPEDI NAKA
RAIPUR CHHATTISGARH 492001

PHONE
+91 9993555756

EMAIL
sivatradeandpack1@gmail.com