

Chemring Nobel

With an unbroken history of more than 130 years of explosives production, we have a very experienced and dedicated organization operating modern manufacturing facilities in Saetre, Norway.

We are recognized as a responsible and reliable partner with a focus on safety, innovation and customer service.

Chemring Nobel is a Norwegian-based speciality chemicals company with a tradition of innovation and development going back to Alfred Nobel. We deliver raw materials only — with a range of base products including HMX, RDX, NTO, Alkyl-NENAs. Based on these materials, we can produce formulations that are well adapted to customer needs in terms not only of safety and sensitivity, but also performance and manufacturing applications.

Our vision is to be a leading global producer of specialized energetic materials for the defense and civilian industries.

For our suppliers

We are always looking to improve our relationship with our suppliers here at Chemring Nobel. To improve communication and simplify the flow of information we have posted some important documents below.

We will continue to add important documents to this site in the future, aiming to make this a comprehensive overview of all the key information you need to be a successful supplier to Chemring Nobel.

[Chemring Nobel Standard Conditions of Purchase \(Norwegian\)](#)

[Chemring Nobel Standard Conditions of Purchase \(English\)](#)

[HSE Requirements \(Norwegian\)](#)

[Technical Terms of Delivery \(English\)](#)



Core products

Energetic materials are applied in high technology markets and the requirements on performance, safety and reliability of final products are very strict. The costs associated with development, implementation and qualification of energetic materials are significant.

In order to meet their requirements, our customers need a reliable long-term supplier able to produce consistent high quality products. Chemring Nobel has extensive knowledge of customer requirements and consequently has products well adapted to a wide range of applications.

The Chemring Nobel range of high energy materials includes HMX, RDX, NTO and Alkyl-NENA energetic plasticizers. For more detail on what we supply, see the descriptions below. We also supply HNS and Acetic Acid as part of our core offering. For more detail on these products, check the tabs above.

[See our full product and service capabilities here](#)

Manufacturing applications

Pressing	▼
Melt Cast	▼
Cast Cure	▼
Extruding & Plastic	▼

Product compositions

Pressing	Melt Cast	Cast Cure	Extruding & Plastic
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Pressing

Product	Formulations	Compositions		
		Specification	Ingredients	Weight %
H-764	US DWG No. 7259019	HMX	98	Booster
		Calcium Recinate	1	
		Graphite	1	
HMX/Wax HMX/Wax/Graphite (OWC)	TL-1376-0825	HMX	95/94.5	Shaped, blast and fragmentation charges
		Wax	05/04/05	
		Graphite	-/1.0	
HMX/Wax/Graphite (OWC)	Customer specification	HMX	98	Oil field perforators
		Wax	1	
		Graphite	1	
LX-14	MIL-H-48358	HMX	95.5	Shaped charges
PBXN-3	MIL-E-82738	HMX	86	Blast and fragmentation
		Nylon	14	
PBXN-5	MIL-E-81111	HMX	95	Booster
		Viton	5	
PBXN-9	MIL-E-82875 I,2	HMX	92	Shaped charges
		HyTemp	2	
		DOA	6	
PBXW-11	DTL WS 33500 I,2	HMX	96	Shaped charges
		HyTemp	1	
		DOA	3	
DPX-2 Type I	Chemring Specification	HMX	92	Booster and main charge (Equivalent wit PBXN-9)
		HyTemp	8	
		DOA		
DPX-2 Type II	Chemring Specification	HMX	92	Booster and main charge Improved shock sensitivity
		HyTemp	8	
		DOA		
DPX-3 Type I	Chemring Specification	HMX	96	
		HyTemp	4	
		DOA		
DPX-3 Type II	Chemring Specification	HMX	96	Improved shock sensitivity
		HyTemp	4	
		DOA		
DPX-3 Type III	Chemring Specification	HMX	96	Booster charge
		HyTemp	4	
		DOA		
DPX-4	Chemring Specification	HMX	90	Equivalent with LX-07
		Viton	10	
DPX-5	Chemring Specification	HMX	64.4	Equivalent with PBXIH-18
		HyTemp,DOA	5.6	
		Aluminium	30	
DPX-6	Chemring Specification	HMX	50	Enhanced Blast for "Anti Structure Munition"
		HyTemp,DOA	4	
		Aluminium	46	
DPX-7	Chemring Specification	HMX	86	Type I and Type II: Different AI qualities
		HyTemp,DOA	4	
		Aluminium	10	
DPX-8	Chemring Specification	HMX	76	Type I and Type II: Different AI qualities
		HyTemp,DOA	4	
		Aluminium	20	
DPX-11	Chemring Specification	HMX	77	Type I and Type II: Different AI qualities
		HyTemp,DOA	8	
		Aluminium	15	
DPX-14	Chemring Specification	HMX	86.5	Equivalent with DPX-9, replaced with HMX
		PIB,DOS,Teflon	13.5	
Comp A-3/Comp A-4	MIL-C-440 / TL 1376-810	RDX	91/97	Blast and fragmentation
		Wax	09/03/14	
Comp A-5	MIL-E-14970	RDX	98.75	Shaped charges, boosters
		Stearic Acid	1.25	
RDX/Wax RDX/Wax/Graphite (HWC)	TL-1376-0815, TL-1376-0367	RDX	95/94.5	Blast and fragmentation
		Wax	05/04/05	
		Graphite	-/1.0	
RDX/Wax/Graphite (HWC)	Customer specification	RDX	98	Oil field perforators
		Wax	1	
		Graphite	1	
HLX-106, Type II	WS 282422	RDX	88.2	Flexible explosive
		Polyisobutylene	8.2	
		DOS	2.2	
		Teflon	1.4	
Hexal 60/40,70/30	TL 1376-832, TL-1376-831	RDX	55/66.5	Enhanced blast
		Aluminium	40/30.0	
PBXN-6	WS 12604	Wax	05/03/05	
		RDX	95	
PBXN-10 (PBXW-17)	MIL-DTL-32057 I,2	RDX	94	Booster
		Viton A	5	
DPX-1 Type I	Chemring Specification	RDX	94	Main Charge and booster
		HyTemp	1.5	
		DOA	4.5	
DPX-1 Type II	Chemring Specification	RDX	92	Main Charge and booster: improved shock sensitivity
		HyTemp	8	
		DOA		
DPX-1 Type III	Chemring Specification	RS-RDX	92	Main Charge and booster: Further improved shock sensitivity
		HyTemp	8	
		DOA		

Melt Cast

Formulations		Compositions		
Product	Specification	Ingredients	Weight %	Typical application
Octol 70/30, Type II, Class I and 2/Octol 75/25, Type I	MIL-O-45455	HMX	70/30	Shaped charges
		TNT	30/25	
MCX-8001	Chemring specification	NTO	52	Melt-cast for Insensitive Munitions
		TNT	36	
		HMX	12	
PAX-48/MCX-8100	Chemring specification	NTO	53	Melt-cast for Insensitive Munitions
		DNAN	35	
		HMX	12	
Comp B	MIL-C-401, Grade A TL 1376-0851,	RDX	59.5	Blast and fragmentation
		TNT	39.5	
		Wax	1	
Comp B4, Type I and II (Type I with CaSi)	MIL-C-46652	RDX	60.0/60	Blast and fragmentation
		TNT	39.5/40	
		Calcium Silicate	0.5/-	
MCX-6002	Chemring Specification	NTO	51	Melt-cast for Insensitive Munitions
		TNT	34	
		RDX	15	
MCX-6003	Chemring Specification	NTO	55	Melt-cast for Insensitive Munitions
		TNT	40	
		RDX	5	
MCX-6100	Chemring Specification	NTO	53 ± 2	Melt-cast for Insensitive Munitions
		DNAN	32 ± 2	
		RDX Type II	15 ± 2	

Cast Cure

Formulations		Compositions		
Product	Specification	Ingredients	Weight %	Typical application
CXM-9 (PBXN-112)	MIL-E-82895 (MIL-E-82919)	HMX	97.05	Blast and fragmentation
		Binder	2.95	
CXM-10 (PBXN-110)	Chemring specification (MIL-DTL-82901A)	HMX	95	Shaped, blast and fragment. charges
		IDP	5	
CXM-3 (PBXN-107)	MIL-E-82897 I (MIL-DTL-82874)	RDX	96.5	Blast and fragmentation
		DOM	3.5	
CXM-7, Type I and II (PBXN-109)	WS 26702 I (MIL-E-82886)	RDX	95.25	Blast and fragmentation
		DOA	4.75	
CXM-8 (PBXN-111)	MIL-E-82908 I (MIL-E-82902(OS))	RDX	95	Blast and fragmentation
		IDP	5	
RDX/DOS	Chemring Specification	RDX	96	Blast and fragmentation
		DOS	4	

Extruding & Plastic

Formulations		Compositions		
Product	Specification	Ingredients	Weight %	Typical application
Comp C-4, Class 1/3	MIL-C-45010	RDX	91.0/90.5	Demolition charges
		Polyisobutylene	2.25	
		DOA	5.31	
		Lubricating Oil	1.44	
DPX-9	Chemring Specification	RDX	87,5	Extrudable PBX (SX-2 replacement)
		PIB,DOS,Teflon	12,5	
DPX-10 Type II	Chemring Specification	RDX	86,4	Hand mouldable PBX (PE 4 replacement)
		PIB,DOS	13,6	



Careers Opportunities

We are always on the lookout for talented, motivated individuals to become part of our growing company and winning team.

As an innovative, high technology company, we continually train our people in order that we can provide state-of-the-art products that meet the needs of our worldwide customers.

[Search here for all our latest vacancies](#)

Contacts and location

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