



**MOHINI ORGANICS PVT. LTD.**

Manufacturers of Specialty Chemicals



**EMULSIFIER**

Emulsion Explosives

emulsifiers  
for  
emulsion  
explosives







# MOHINI ORGANICS PVT. LTD.

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Mohini Organics manufactures and specializes in the manufacturing of esters, surfactants and emulsifiers. While being a supplier to customers in industries with diverse applications, Mohini Organics manufactures emulsifiers for the emulsion explosive industry for around three decades.

The emulsion explosives can be categorized into bulk emulsion explosives (served in tankers and prepared on site) and cartridge emulsion explosives (small and large dia) which is used in the small/ large blasting. This needs higher stability of emulsions due to long period of storage.

The emulsion explosives are prepared using oil blend (consisting of fuel, emulsifier, waxes etc) and water blend (saturated solution of ammonium nitrate). The emulsion system is water in oil.

Our products in the Monemul<sup>®</sup> and Molesan<sup>®</sup> range have been tested under various climatic conditions successfully.

## **Our expertise in Emulsion Explosive industry**

Mohini Organics produces monomeric emulsifiers (primary) and polymeric emulsifiers (secondary) for the emulsion explosive industry which are available under Monemul<sup>®</sup> and Molesan<sup>®</sup> brands. As a regular supplier to emulsion explosive industry, we have gained technical knowledge over a period of time and developed expertise in providing solutions to customers requirement of emulsions which have at times become a challenge in terms of giving a stable performance.

Generally, a blend of petroleum oil, Ammonium Nitrate and other small blends of important performance products are to be emulsified. It is a water in oil emulsion to remain stable for longtime in case of Cartridge emulsion explosives.

Many a times, low grade of oil or reused oils or the low quality of Ammonium Nitrate are being used in the commercial explosive manufacturing which affects the performance of the product, which can be avoided.

### Tailor made blends

Mohini Organics offers solutions to the emulsion explosive industry by offering different types of emulsifiers.

Product	Chemical origin	Function
Monemul <sup>®</sup> 80	SMO	Monomeric emulsifier (Primary) for use in Bulk and Cartridge
Monemul <sup>®</sup> 80Hi	SMO	
Molesan <sup>®</sup> 909	PIBSA	Polymeric emulsifiers for use along with Monomeric emulsifiers to enhance the emulsion stability. Generally used in Cartridge explosives
Molesan <sup>®</sup> DG6	PIBSA Derivative	
Molesan <sup>®</sup> 924	PIBSA Derivative	

\*\* tailor made blends are available depending upon individual requirements.



‘We Grow by Quality’

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