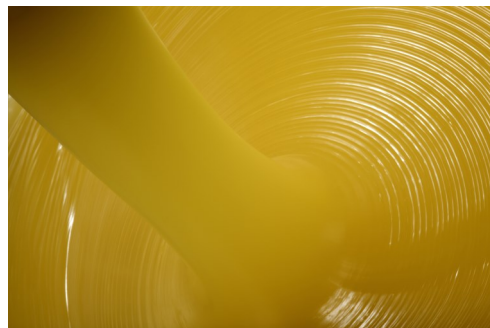


Emultex[®] MS

Sensitized Emulsion

DESCRIPTION

Emultex[®] MS is a microsphere sensitized ammonium nitrate emulsion for use in surface mining, quarries, and construction blasting. It is formulated to perform in extreme conditions with optimum results. Emultex[®] MS has excellent water resistance and can be used in the manufacturing of Heavy ANFO or pumped blends.



EMULTEX[®] MS TECHNICAL CHARACTERISTICS

Sensitizer	Microspheres
Nominal Density (g/cc)	1.25 ± 3%
Nominal Viscosity (cP) - #7 spindle	20,000 to 40,000
[†] Velocity of Detonation ft/s – m/s	17,000 – 18,870 ft/s or 5,200 – 5,750 m/s
[†] Detonation Pressure (GPa)	11.9
[†] Energy (kJ/kg)	3,907
[†] Gas Volume (l/kg)	1,070
Minimum Hole Diameter	4.5" or 112 mm
Relative Weight Strength (RWS)	73
Relative Bulk Strength (RBS)	118
Water Resistance	Excellent

Transport and UN Numbers

UN 0241
Class 1 Division 5
1.5D



[†] Theoretical values from computational modelling of formulations using EXPLO 5

EMULTEX[®] MS RECOMMENDED USES

Emultex[®] MS is used in the manufacture of Heavy ANFO blends or pumpable blends. In wet conditions, the product should be pumped into the bottom of the hole to displace any water and minimize any mixing that may occur with the emulsion and ground water. Emultex[®] MS or Emultex[®] MS blends should not be top loaded into water.

EMULTEX[®] MS MANUFACTURING

Emultex[®] MS is manufactured in Rush Valley, Utah near Salt Lake City, Utah.