Emultex® MS DL | Sensitized Inhibited Emulsion

DESCRIPTION

Emultex® MS DL Series is a microsphere sensitized inhibited emulsion used in the manufacturing of Pirex® Heavy ANFOs and chemically gassed blends. Emultex® MS DL is formulated to work in reactive ground conditions to slow the reactivity between the oxidizer and certain minerals. Emultex® MS DL is formulated to perform in extreme conditions with maximum energy output. It is used in open pit mining as well as quarrying and construction blasting.

EMULTEX® MS DL 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	

† Theoretical values from computational modelling of formulations using EXPLO 5

EMULTEX® MS DL RECOMMENDED USES

Emultex® MS DL can be used in the manufacture of Heavy ANFO blends or chemically gassed pumpable blends. In wet conditions, the final 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. Products should not be top loaded into water.
Emultex® MS DL should be used in reactive ground conditions or suspected reactive ground conditions. Consult with your Enaex representative when working in reactive ground or suspected reactive ground conditions.

EMULTEX® MS DL MANUFACTURING

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