PANCERA TUBI E FILTRI S.R.L. - *Prodotti per la perforazione*
Via Zottole 59/A – 46027 San Benedetto Po (Mantova) Italy
tel. +39 (0)376 615690 Fax +39 (0)376 621539 office@panceratubi.it

PRODUCT TECHNICAL DATA SHEET

CLEAR BORE



Description	CLEAR BORE is a synthetic anionic polymer with high molecular weight, it is used to prepare stabilizing and lubricating drilling fluids. Its main characteristics are its stabilizing and lubricating properties and the possibility of being recycled many times even in the presence of salts in the soil and in the water. CLEAR BORE polymer can be mixed without special equipment, by dispersing the polymer powder directly into water in moderate agitation. In emergency situations, the polymer can be mixed in the well by adding the powder to the fluid circulation. However, for optimal performance, it is recommended to avoid the mixing in the well. When preparing CLEAR BORE it is important to check the pH of the water and, if necessary, adjust it by adding caustic soda (NaOH - approximately 0.5 kg per m^3) until a pH of 10 is reached, than CLEAR BORE can be mixed to the water with a correct pH. The main advantage of CLEAR BORE is its degradability and low environmental impact, which results in lower disposal costs for companies.
Application in fine sand:	1 m^3 of water 1 kg of CLEAR BORE Approximately 0.5 kg of caustic soda (NaOH), the amount of caustic soda varies depending on the pH of the water. *Characteristics of the resulting mud: marsh viscosity > 50s, pH 10, density 1,00 – 1,01 g/cm^3* After the start of drilling, the Marsh viscosity can be increased above 50 s to control or reduce fluid loss and maintain well stability
Disposal and cleaning	Immediate disposal of the polymer can be achieved by mixing hydrogen peroxide (3% solution) or sodium hypochlorite in a 1:100 ratio to the polymeric slurry that has to be disposed. This procedure will break down the polymer chain structure, leaving no trace of the original product. The resulting fluid has the viscosity of water, is inert and non-hazardous and can be disposed by discharging it into drains or on-site. In case of accidental spilling into watercourses, the polymer will naturally be diluted, remaining non-toxic and safe for the environment.
Packaging	25 kg plastic bags

All information contained in this document is deemed accurate and provided for information purposes only. Pancera Tubi does not provide any guarantee of any kind and does not assume any responsibility for the results obtained through the application of such information. Since the conditions of use of this product are beyond Pancera Tubi's control, the product is sold provided that the buyer carries out its own test to determine its suitability for the needed application. The purchaser assumes all risks relating to the use and handling of this product.