



## **Product Information**

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### **Mud Flocc**

#### **GENERAL DESCRIPTION**

Mud Flocc is a polyacrylamide based polymer used as a solids flocculant in the form of a light, white coloured granular powder.

#### **FEATURES AND BENEFITS**

Mud Flocc is used as a flocculant to provide clarification of drilling fluids and or solids laden waste water. Clear water can be obtained by adding a premixed liquid solution of Mud Flocc into the stream of fluid to be clarified, either by injection into the fluid stream or by surface addition into an open flow line. Solids removal equipment performance can also be enhanced by adding the Mud Flocc solution into the feed line of the centrifuge for example.

#### **RECOMMENDED TREATMENT**

Fill the mechanical mix tank (polymer injection tank) with fresh water. Begin agitation. Begin to slowly add the Mud Flocc powder to the mix water at a rate of 1-2min/kg. The concentration: 5.0kg Mud Flocc/1m<sup>3</sup> of mix water. This concentration may fluctuate depending on the overall thickness of the solution and the injection pumps ability to pump the solution consistently. Allow the polymer solution to mix thoroughly at least 10-15minutes. Once mixed this solution can be added at an approx. rate of 3-4L/minutes directly into the flow stream or line being pumped at approx. 1m<sup>3</sup>/minute.

The injection rate may require to be increased depending on how the solids appear to be flocculating and settling out and how fast the flow stream is being pumped. Increasing polymer injection rate will promote faster settling of the solids. Too much polymer injection could result in the fluid becoming viscosified and then suspending the solids rather than allowing them to settle out.

It is important that the settling area be large enough to allow the solids to settle out. Dikes or partitions within tanks will promote solids settling as fluid flow will be slowed.

Mud Flocc performs best when the fluid to be treated contains 200-300mg/L of calcium or when the fluid to be treated is a brine based solution.

#### **HANDLING**

Mud Flocc is not a controlled product using the WHMIS classification. Mud Flocc becomes very slippery when in contact with water. Refer to MSDS information for specific precautions and handling.

#### **AVAILABILITY**

Mud Flocc is available in 1kg sealed plastic bottles from HiTech Fluid Systems Ltd.