Partially Hydrolysed Polyacrylamide (LOW TEMPERATURE)

Product Description

Partially Hydrolysed Polyacrylamide (Low Temperature) designed for low-temperature applications in the petrochemical industry is a specialized polymer that excels in enhancing various processes in cold environments. This polymer is strategically engineered to maintain its effectiveness and stability under low-temperature conditions, making it particularly suitable for operations where traditional polyacrylamides might encounter challenges.

Applications/Functions

- This is commonly used in cold reservoirs for enhanced oil recovery projects.
- In cold climates where drilling operations are conducted, this is employed as an additive to drilling fluids.
- It acts as a flocculant in low-temperature industrial processes.
- It can be used in pipeline transportation systems in cold environments to minimize friction and improve the flow properties of crude oil or other fluids.

Advantages

- **Biodegradability Considerations**: Some formulations of this are designed with environmental considerations, offering biodegradability in certain conditions. This is important for minimizing the environmental impact of its use.

- **Cost-Effectiveness for Low-Temperature Applications**: This is generally a cost-effective solution for processes in cold climates, providing an economical choice for petrochemical operations in regions where low temperatures are a significant factor.

- **Versatility in Various Petrochemical Applications**: It is versatile and can be applied in a range of petrochemical processes, including drilling operations, water treatment, and industrial processes where low temperatures may impact the efficiency of traditional polyacrylamides.

- **Stability in Freezing Conditions**: This is designed to retain stability in freezing conditions, ensuring that it continues to perform even in extremely cold environments.

Typical Properties:

- **Appearance**: It is often available in the form of a white or off-white powder.
- **Specific gravity**: close to or slightly above 1.0. g/cm³
- **Hygroscopic**: Yes
- **Recommended Treatment**: It is typically dissolved in water to form a solution of the desired concentration for application.
- **Package**: 25 KG SACK or customized

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