



SALT GEL

DESCRIPTION

Salt Gel is a hydrous magnesium silicate (sepiolite), which meets the specifications as set down in the API Standards Specification 13A, Sec. 4.

PROPERTIES

Physical		Chemical	
Appearance:	Tan coloured powder	Type:	Magnesium silicate
Specific Gravity:	1.9-2.4	Solubility:	Insoluble (water)
Moisture		pH:	7.0-8.3
Content:	11.6%	Microtox:	Not applicable

APPLICATION

Salt Gel can be used as a viscosifier in saline mud systems or in mud systems exposed to a high temperature environment. In a high temperature environment it may be used by itself or in conjunction with bentonite.

In comparison with bentonite, Salt Gel is slightly less effective in its viscosifying ability and its ability to reduce the fluid loss of mud systems. It is more temperature stable, more inert to thinning in the presence of conventional thinners and more tolerant to mud contaminants.

MIXING AND HANDLING

Salt Gel is mixed through the mud hopper and requires more shear (than bentonite) in order to attain its maximum yield. It is not uncommon to observe an increase in viscosity as a result of the high shear rate experienced by the drilling mud as it passes through the bit nozzles. Consequently, although Salt Gel may be mixed as rapidly as 5 minutes per sack, allowance must be made for the increased viscosity arising from circulation through the bit.

It is advisable to use a dust mask and eye protection while mixing all powdered products.

WHMIS: Controlled (see MSDS.)	TDG: Not regulated	PACKAGING: 50 lb sack
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