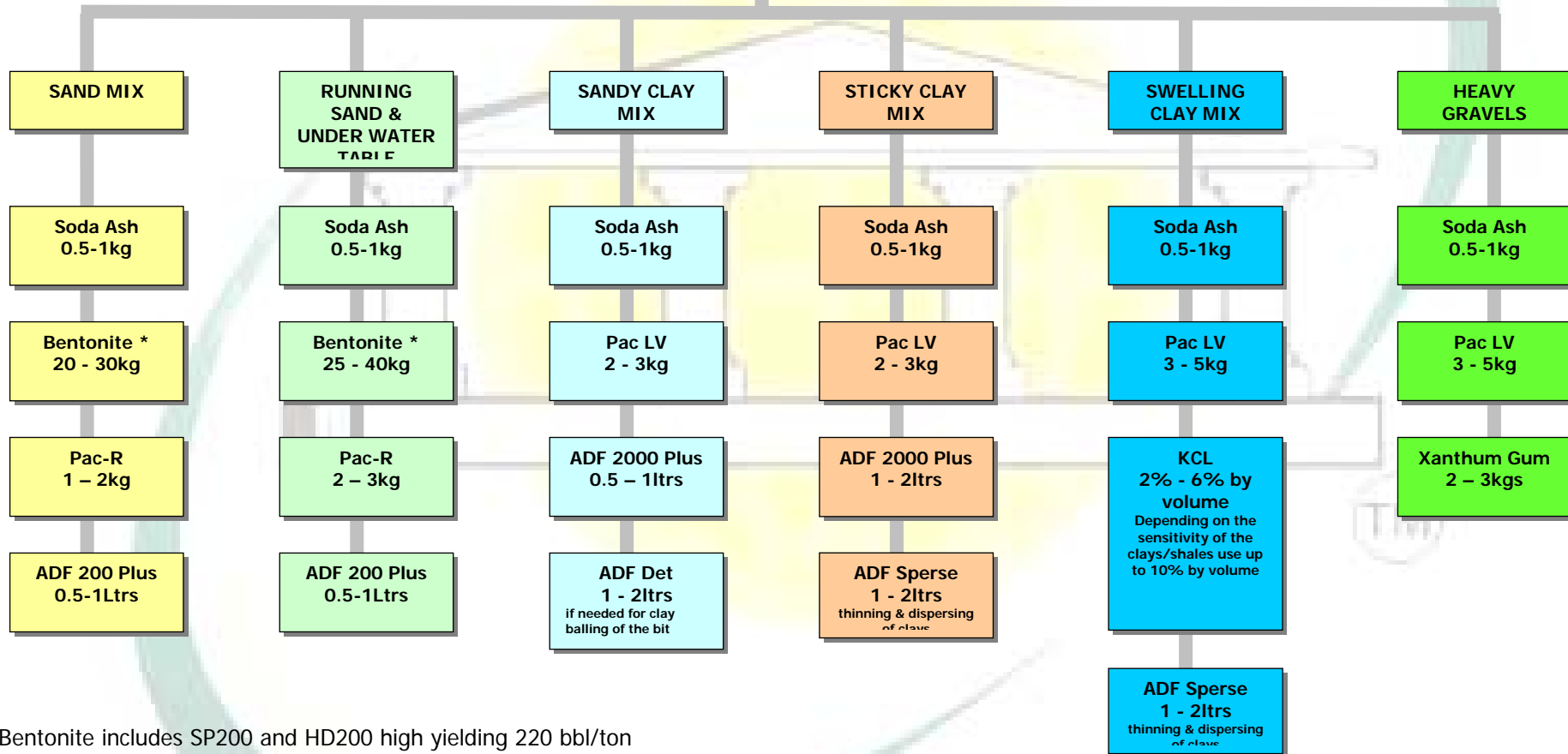




Drilling Fluid Programs Guide
HDD Recommended Mud Mixes

Product Mix per 1000l of water
(in order to be mixed)



*Bentonite includes SP200 and HD200 high yielding 220 bbl/ton

If viscosity is required, use Liquid Polymers.

For increased gel strength to transport cuttings, use Xanthum Gum in place of a liquid polymer.

Water treatment: Soda Ash is recommended as it will not increase the PH, but will treat the water and improve performance.

Bentonite Pallets: BG 10, Quartz filter Gravels: Q sands, Foams: Ultra foam