



Technical Data Sheet

SWELL-STAR

Product Description

SWELL-STAR is a swelling copolymer for lost circulation that expands over 200 times its volume in freshwater.

Applications:

is a lost circulation material used to seal fractures. It can also be spotted in caving zones to consolidate loose formations. After placing SWELL-STAR pills, pull up above the problem zone to prevent stuck pipe. Hydration occurs in 20 to 30 minutes. Circulate with mud and LCM to fill the voids between the spotted pill.

Treatments:

Mix SWELL-STAR in water or drilling fluid; with or without LCM Mix SWELL-STAR in water or drilling fluid; with or without LCM

Smaller pills 1 - 3 lbs (0.5 - 1.5 kg) per 5 gal (18.9 L) of water/mud

Larger pills 4 - 5 pills to 50 barrel (8000 L)

Do not hydrate longer than 5 minutes before spotting. Do not hydrate longer than 5 minutes before spotting. Remove the core tube before spotting in coring applications. Remove the core tube before spotting in coring applications

Repeat as necessary to stop lost circulation Repeat as necessary to stop lost circulation

KEY BENEFITS

- Designed for use in water based mud systems.
- Can be hydrated prior to spotting.
- Will accumulate in a variety of fracture sizes due to its swelling capacity and particle size distribution.

Key Properties	
pH	8.5 - 9.5
Color	White
Physical Form	Powder
Sg	.08 - 1.0
Packaging	5 gal buckets