

X-LINK

Effectively control loss of circulation while drilling

Applications

- All drilling fluids
 - Water-based and invert emulsion drilling fluid systems
- Large fractures or vugular spaces

Features and benefits

- Cures severe cases of lost circulation
 - Stabilizes the wellbore
- Forms a rigid gel as it sets
- Readily drilled or reamed
 - Can be removed from the circulating system over conventional shale shakers
- Mixed and pumped with rig equipment
 - Enables easy application
- Effective at temperatures up to 350°F (177°C)

The Baker Hughes **X-LINK™ cross-linking lost circulation material (LCM)** is effective in controlling severe lost circulation in large fractures or vugs. X-LINK can also be used to form a plug in the casing and/or open hole to prevent downhole losses caused by excessive hydrostatic pressure.

X-LINK additive is specially designed to produce strong, durable, and temperature-tolerant cross-linked gels. X-LINK may be weighted with barite or calcium carbonate to provide a balanced or weighted pill.

Recommended treatment

A 40-lb bag of X-LINK makes one barrel of pill/plug. Set-up times are controlled by the bottom hole temperature. For higher bottom hole temperatures, the use of **X-LINK™ RTR supplemental retarder** will be necessary. It is vital that the temperature profile of the well is known prior to application.

Typical mud hoppers and slug tanks can be used to prepare X-LINK pills. For pill formulations over 120 lb/gal (1.44 sg), a blending unit with higher shear and faster mixing capability will speed up the mixing process. Aluminum-based defoamers should be avoided with this product. If a defoamer is required, an alcohol-based product such as **W.O. DEFOAM™ defoamer** is recommended. Formulations must be laboratory or pilot tested.

Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

Shipping

Transportation of the X-LINK additive is not restricted by either international or United States regulatory agencies.

Safe handling

recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

Packaging

The X-LINK additive is packaged in 40-lb (18.2-kg) multi-walled bags.

Typical properties

Appearance	Tan powder
Specific gravity at 68°F (20°C)	1.20