



## TECHNICAL DATA SHEET (TDS)

### Basekim Fluid-Loss Control Drilling Additive

#### PRODUCT DESCRIPTION

Basekim Fluid-Loss Control Drilling Additive is a specially designed filtration-control agent used in drilling fluids to reduce fluid loss under both standard and HPHT conditions. It improves filter cake quality, stabilizes formation, reduces invasion, and enhances drilling performance in water-based and oil-based muds.

#### TYPICAL PROPERTIES

Parameter	Specification	Typical Value
Moisture Content	≤ 10%	2–8%
HPHT Filtration Loss (Gasoil Base)	≤ 4.0 mL / 30 min	4.0 mL
HPHT Filtration Loss (Oil-Based Mud)	≤ 6.0 mL / 30 min	5–6 mL
Sieve Analysis – 20 Mesh Retained	≤ 2%	1%
Sieve Analysis – 40 Mesh Retained	≤ 20%	15%
Sieve Analysis – 60 Mesh Retained	≤ 40%	28%
Solubility	Insoluble in water	—
Particle Size Availability	Lumps, 30–40, 100, 200, 300 mesh	—
Specific Gravity	1.05–1.25	1.10

#### KEY PERFORMANCE BENEFITS

- Strong fluid-loss reduction in all mud systems
- Stable performance under HPHT conditions
- Forms thin, high-quality filter cake
- Enhances wellbore stability
- Reduces torque and drag
- Prevents formation damage
- Effective in fresh water, salt water, oil-based and synthetic muds
- Cost-effective and widely compatible with drilling additives



## APPLICATIONS

- Deep wells
- HPHT drilling
- Unstable formations
- Shale, sandstone, fractured zones
- Fluid-loss control in water-based and oil-based muds

## RECOMMENDED DOSAGE

- **Water-Based Mud:** 3–8% by weight
- **Oil-Based Mud:** 4–10% by weight
- **Severe losses / HPHT:** Up to 12% depending on mud condition

## MIXING INSTRUCTIONS

1. Add slowly through hopper or directly into the mixing tank.
2. Maintain continuous agitation for uniform dispersion.
3. Check filtration performance after full circulation.
4. Adjust concentration according to downhole conditions.

## COMPATIBILITY

Compatible with most drilling fluid additives, including:

- Lignite
- PAC / CMC
- Bentonite
- Barite
- Emulsifiers
- Lubricants
- pH stabilizers



## STORAGE & SHELF LIFE

- Store in a dry, covered warehouse.
- Keep product sealed.
- Shelf life: **24 months** from manufacturing date if stored properly.

## PACKAGING

- 25 kg multi-wall paper bags
- 500–1000 kg jumbo bags
- Custom packaging available on request

## MANUFACTURER

**BASEKIM COMPANY – Industrial Chemical Division**