

## LAMSPERSE 100

**LAMSPERSE 100** is a water soluble low molecular weight chrome free synthetic dispersant, designed to deflocculate a wide range of water based drilling fluids.

### Application:

LAMSPERSE 100 is an effective anionic thinner for reducing and stabilising viscosity and to prevent gelation in a wide range of systems, preferably in fresh water fluids with low soluble calcium concentrations. Total hardness must be controlled with soda ash and kept preferably below 200 mg/l. LAMSPERSE 100 can be used in weighted or unweighted systems and is compatible with both non dispersed and dispersed fluids.

**LAMSPERSE 100** offers the following advantages if compared with usual thinning agents such as lignosulphonates and lignites:

- 🌐 LAMSPERSE 100 is immediately soluble in drilling fluids and is less pH dependent;
- 🌐 LAMSPERSE 100 does not cause any foaming, especially in salt muds;
- 🌐 LAMSPERSE 100 is more effective, thus requiring less handling
- 🌐 LAMSPERSE 100 has a higher temperature tolerance
- 🌐 LAMSPERSE 100 is free of toxic heavy metals such as chrome and can therefore be used in environmentally sensitive areas

**LAMSPERSE 100** can also control the fluid loss and it is not subject to bacterial degradation. LAMSPERSE 100 has particular application in ultra-high-temperature geothermal wells where conventional lignosulphonates break down, often releasing toxic hydrogen sulphide gas.

### Treatment:

Suggested dosage is **0,5-3,0 kg/m<sup>3</sup>**

LAMSPERSE 100 can be easily added to the mud system through the mud hopper or directly into the surface system.

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TECHNICAL PRODUCT INFORMATION SHEET

**General characteristics:**

 Appearance:	clear-cloudy liquid
 Solubility:	water soluble
 pH as is:	6-10
 Specific gravity:	1.29 approx.
 Flammability:	not flammable

**Packaging:** 25 kg plastic cans, 600 kg palletized  
The product is available from stock

**Origin:** EU

**Exclusive Distributor:**

Ti KEM Hungary LTD.  
info@tikemhungary.hu

**Note:**

The data in this technical data sheet is provided for information only. It is correct to the best of our knowledge, information and belief at the date of its publication. All information comes from the producer. It does not constitute a specification and no liability is assumed, nor freedom from any existing patents.

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