

# Midso Chemical Industry

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## Product technical data sheet

### MIDOIL OE4

MIDOIL OE4 is a low viscosity Carboxymethyl Cellulose designed for application oil well drilling industry. This material is dispersible in cold and hot water.

### Specification

Viscosity (2%)	: 30 - 70 c.p.
Viscosity at 25°C (Brookfield LV)	
DS	: 0.8 – 0.9
Humidity	: max 8%
Purity	: min 65%
pH	: 6.5 – 8.5

### Packaging

MIDOIL OE4 is packed in FFS three layer Polyethylene bags. Net weight is 20 kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned.

### Application

In drilling fluid, cementing fluid, and fracturing fluid, the usage of CMC can help them reduce the water loss and improve

their viscosity and with other advantages, which in turn can protect the wall, drill cuttings, protect the drill, avoid mud loss, and improve the drilling speed. CMC can be added to the mud directly or in the form of the liquid cement.

### Safety instructions, Storage and Shelf Life

Like many industrial processed powdery materials, Carboxymethyl Cellulose dusts are combustible and can cause dust explosions. Dust formation must be avoided or kept to a minimum. Care should be taken to prevent ignition from heat, spark, open flames or hot surface. In unopened bags, under cool, dry condition in original packaging, MIDOIL OE4 can be stored for at least 2 years. In opened bags, the moisture content of MIDOIL OE4 will be influenced by the air humidity.

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The above information is best to our knowledge and provided for manufacturing purposes. Midso makes no warranty or guarantee concerning the handling, use or application of such product whether alone or in combination with other products in case an unexpected events occur. Users are advised to make their own tests to determine the suitability and performance of the product.