

# EDC 99-DW

EDC-99 is a highly refined low-toxic mineral oil intended for use as a dispersion medium for oil-based muds (OBs). Low viscosity and solidification temperature, high flash point, almost complete absence of aromatic hydrocarbons allow using EDC-99 to make a wide range of OBs for almost any drilling conditions.

## Typical Physical Properties

Appearance .....	Transparent colourless liquid
Specific gravity .....	0.81 at +15°C
Viscosity .....	2,28 mm <sup>2</sup> /s at +40°C
Odor.....	distinct
Water solubility .....	insoluble (less than 1 mg/L)
The content of the aromatic HC .....	<0.001%
Boiling point .....	230-270°C
Solidification temperature .....	-51°C
Vapor pressure .....	<0.1 kPa at +20°C
Flash point.....	+101°C
Self-ignition temperature. ....	>230°C

## Applications

EDC-99 belongs to the group of light mineral oils produced by hydrocracking. Due to its very low viscosity and low solidification temperature, this oil is perfect for the areas with a cold climate, drilling wells offshore at a great depth of the bottom. Unlike many other oils, EDC-99 contains almost no aromatic hydrocarbons, which significantly reduces the toxicity of the finished OBs with respect to the environment and the personnel of the drilling rig. The low combustibility and volatility of the oil allow avoiding most of the common problems of OBs and facilitates the making and use of OBs at the existing drilling rigs.

## Advantages

- Low viscosity
- Low solidification temperature
- Low volatility and combustibility
- Low toxicity

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## Toxicity and Handling

The reagent is not hazardous or toxic. Handle the product in accordance with MSDS and General Requirements for Handling Industrial Reagents.

## Packaging and Storage

EDC-99 is supplied in 208 L barrels, 1 m3 containers or in bulk.

Store in a cool, dry place. Do not expose to intense heating for a long period of time

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