



## Product Information

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### Micro-Dyne

#### GENERAL DESCRIPTION

Micro-Dyne is a novel, non-aqueous fluid conditioner. It has been specifically designed for enhancing the formation of POLYPHRONS in non-aqueous fluids. POLYPHRONS are a new concept for treating various losses of fluids from non-aqueous fluid systems.

#### Typical Physical Properties

Form	Powder
Color	Tan
Bulk density, lb/cu ft.	Compacted 50.0
	Uncompacted 38.0
Specific gravity	0.61 - 0.8
pH (1% in water)	ND
Solubility	Insoluble in water,
	Dispersible in oils

#### Applications

Micro-Dyne is recommended in concentrations sufficient to achieve 12 % - 14 % by volume Polyphrons in the circulating fluid. In most cases this requires between 2.0 - 3.0 pounds per barrel concentration in most oils or synthetics.

Micro-Dyne can be added directly to the oils or OBM through a mud hopper.

Micro-Dyne is compatible with most non-aqueous fluids including crude oil, diesel, mineral oil, vegetable oil and synthetics. It is also effective in oil base muds (OBM) and synthetic base muds (SBM).

#### Advantages

- Improve POLYPHRON ICS™ fluid performance
- Invasion control
- Aids lost circulation prevention
- Reduces stuck pipe potential
- Enhances drilling and workover operations

#### HANDLING

Refer to MSDS information for specific precautions and handling.

#### AVAILABILITY

Micro-Dyne is available in 25 lb plastic containers designed to keep the product moisture free from HiTech Fluid Systems Ltd.