

## PENETONE 1000D SERIES

### DEMULSIFIER/EMULSION BREAKING

**PENETONE 1000D SERIES** is a full line of oil-soluble products designed to resolve difficult or tight emulsions in treaters and tanks. Each product in the **1000D SERIES** is dispersed either by batch/slug application directly into or by continuous injection upstream of the treater or tank inlet where they migrate to the oil/water interface, reduce or disrupt interfacial surface tension, and promote coalescence of dispersed water droplets for rapid water drop. Alternatively, treatment can be performed at the well head or into battery flowlines.

- **1001D** for versatile treatment and water drop in light oil emulsions
- **1002D** for treatment and resolution of heavy or slop oil emulsions
- **1005D** for full treatment and resolution of light to medium gravity oil emulsions

### FEATURES & BENEFITS

- Low freeze points
- Oil-soluble formulations
- FWKO/HTS bottle testing program available on fresh emulsion samples
- Design of site-specific demulsifiers/emulsion breakers available for "bad oil" problems or difficult treating applications



### DIRECTIONS FOR USE

#### Chemical type

**Penetone 1001D: Knock Out Demulsifier** – versatile applications for rapid water drop.  
**Penetone 1002D: Heavy oil/Slop oil Demulsifier** – for resolution of heavy oils or slop oils.  
**Penetone 1005D: Light to Medium Gravity Demulsifier** – for interface control, BS resolution, water drop, and top oil polishing.

#### Treatment rates

Will vary depending on location and situation.

Typically, effective emulsion resolution can be achieved with 50-500 ppmv per m<sup>3</sup> of production, depending on oil gravity and viscosity.

Batch volumes may be greater for emulsion breaking at lower temperatures or with heavy oil.

*Consult individual SDS for technical information on each product.*