



## PRODUCT DATA SHEET

### **CRUDE OIL ANTI-TURBULENCE ADDITIVE**

### **/ALPHA-OLEFIN COPOLYMER (DRA-038N)**

#### **DESCRIPTION:**

Crude oil anti-turbulence additive (drag reducer) is an ultra-high molecular weight polyalphaolefin. DRA-038N is a non-aqueous suspension product and is thermally versatile, so it can be used in the environment with the temperature range from -55 to +40°C. The numerous tests proved that the DRA-038N has no negative impact on the petroleum products' quality.

#### **Purpose:**

Crude oil anti-turbulence additive increases the capacity of the pipeline and reduce the operating pressure on it.

#### **Efficiency:**

Drag reduction rate up to 59.1% (based on Technical-Chemistry Institute); operating pressure reduction by 40%- 50%, depending on the condition of the pipeline and the quality of the refined products.

<b>Main components</b>	
Isooctanol	45-50%
Propylene glycol	10-15%
Poly (1-decene)	20-30%

<b>Specifications</b>	
Totals solids	25%-35%
pH	5.0-8.0
Drag reduction rate (loop test)	>55%

Polymer content	28% - 32%
pour point	-55°C
Flash point (closed cup)	>60°C
Viscosity (20°C, 50s-1), mPa s	<300
Density	0.85~0.9
Color	White or slightly yellow
Boiling point	169°C at 760mmHg
Smell	slightly irritating
Form	Suspension

### **Storage and use:**

When stored in a ventilated, dry place at -10°C to + 35°C in a tightly closed container, DRA-038N will be stable and keep its quality for one year.

When handling the DRA-038N, protective gloves and protective work clothing must be used. It must be mixed well before applying. For the more info on first aid, firefighting, and transportation, please check MSDS.