

# NuFlo® 187

## Technical Data Sheet

### CHEMICAL FLOW ASSURANCE SYSTEM ASPHALTENE/PARAFFIN DISSOLVER AND INHIBITOR

#### Description:

**NuFlo® 187** is a proprietary blend of solvents, co-solvents, surfactants and polymers designed to reduce viscosity, enhance flow, remove asphaltene/paraffin blockages in pipelines, flow-lines, and downhole applications.

#### Characteristics:

**NuFlo® 187** is designed to dissolve and disperse asphaltenes, neutral resins and paraffins in the C<sub>8</sub>-C<sub>55</sub> range and reduce viscosities in ultra heavy asphaltene rich crude oil—viscosity reductions of 70% are achievable along with pressure drops of approximately 50% in pipelines. **NuFlo® 187** will also reduce turbulent flow, dissolve and disperse asphaltenes, and paraffins at ambient temperatures. **NuFlo® 187** also has a built in demulsifier which can eliminate the need for additional chemicals to separate water from the crude oil. This product has a high flash point and is ultimately biodegradable per OECD 301D.

#### Applications:

- Used in pipelines to reduce viscosity and therefore increase flow while reducing pumping pressure.
- Used downhole or in flowlines/pipelines to clean and prevent asphaltene and paraffin blockages while enhancing flow.
- Used downhole for squeeze jobs, down capillary strings, or down back side for well bore cleaning.



### Product Benefits

Viscosity Reducer

Paraffin & Asphaltene Control

Demulsifier

Flow Enhancer

Pipeline pressure reducer

Biodegradable

# Physical Properties



## NuFlo<sup>®</sup> 187

BULK DENSITY	7.10 lbs/gal
SPECIFIC GRAVITY@ 20 C	0.851 g/cm <sup>3</sup>
SOLUBILITY IN WATER	miscible
VAPOR DENSITY (Air=1)	No data
ODOR	Mild
%VOLATILES BY VOLUME @21°C (70°F)	94.3%
EVAPORATION RATE (n-BuAc=1)	<0.1 (nBuAc=1)
MELTING POINT / FREEZING POINT	-45°C (-49°F)
BOILING POINT	153°C (302°F)
pH	N/A
APPEARANCE and COLOR	Light yellow liquid
VAPOUR PRESSURE, mm Hg	0.2 hPa
Flash Point	64°C (147°F)

**Availability:** 5-gallon, 55-gallon containers and 275-gallon tote-bins and bulk tankers.

**Shipment:** Non-Hazardous for transport

**Storage:** Keep out of direct sunlight. Keep from freezing. Store between 40-120°F.

**Disposal:** Dispose of in accordance with local, state, and federal regulations.

This product is classified and labelled according to the Globally Harmonized System (GHS).

### EMERGENCY OVERVIEW:

This product may cause serious damage to the eyes and is extremely harmful if swallowed.

### SAFETY:

Please make sure you have read and understand the product label and MSDS before using this product. Avoid breathing vapours, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.

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