

NuFlo™ 547

Technical Data Sheet

VISCOSITY REDUCER & FLOW ENHANCER

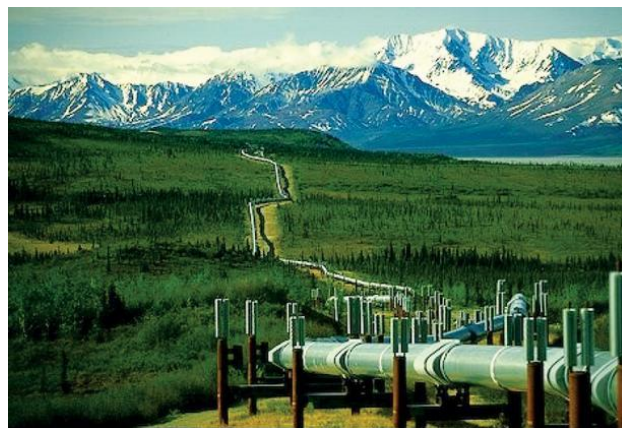
ULTRA HEAVY CRUDE VISCOSITY REDUCER

Description:

NuFlo™ 547 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. It does not contain NPE's (nonylphenol ethoxylates) which are banned for use in many countries.

Characteristics:

NuFlo™ 547 is designed to 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™ 547** will also reduce turbulent flow, dissolve and disperse asphaltenes, and paraffins at ambient temperatures. **NuFlo™ 547** 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 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 547

BULK DENSITY	7.227 lbs/.gal
SPECIFIC GRAVITY@ 20 C	0.866 g/cm ³
SOLUBILITY IN WATER	100%
SELF-DEMULSIFYING	YES
ODOR	Mild
% VOLATILES BY VOLUME @ 21°C (70 °F)	42.6%
EVAPORATION RATE (n-BuAc=1)	5
MELTING POINT / FREEZING POINT	-37 °C (-35 °F)
BOILING POINT	153 °C (307 °F)
pH	8.5
APPEARANCE and COLOR	Light Yellow
VAPOR PRESSURE, mm Hg	6.6 hPa (5 mmHg)

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 labeled according to the Globally Harmonized System (GHS).

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EMERGENCY OVERVIEW:

This product may cause irritation to the skin. Defatting of the skin can occur with frequent or long-term skin contact.

SAFETY:

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