

## PRODUCT DATA SHEET

---

### **SO-CHEM D- 50 VISCOSITY REDUCER**

#### **GENERAL DESCRIPTION**

**SO-CHEM D-50 VISCOSITY REDUCER** is a specially formulated product to be used as a surfactant for reservoir stimulation for increasing the mobility of heavy crude oil. This product also has the capability of reducing the viscosity of crude oil in flowlines and process equipment.

#### **RECOMMENDED USES**

For downhole application **SO-CHEM D-50 Viscosity Reducer** is injected directly into the gas stream of wells (Casing gas). This allows the product to contact and mix with the heavy oil which reduces the viscosity and allows the crude to travel up the tubing and flowlines. Viscosity reductions of 70% are achievable along with flowline pressure drops of approximately 50% based on treatment rates.

#### **APPLICATION**

**SO-CHEM D-50 Viscosity Reducer** can be injected between 1000 - 5000 ppm for field application based on production rates. This injection rate can be further optimized during the field trial. Experience will dictate the quantity of chemicals to be used based on product performance derived from the results obtained.

So- Chem Technical Personnel can advise on treatment and application volumes.

**SOUTHERN CHEMICALS LIMITED**

1 - 2 Tarran Industrial Estate La Romain

TEL NO: ((868) 230- 6081

E-mail: [sochemltd@flowtrinidad.com](mailto:sochemltd@flowtrinidad.com)/[sochemltd@hotmail.com](mailto:sochemltd@hotmail.com)

**TYPICAL PHYSICAL PROPERTIES:**

Specific Gravity	- 0.8489
Vapor Pressure	- <100 PA
Boiling Point	- >170 °C
Vapor Density	- < 0.0 1
Pour Point	- <10° C
Flash Point	- 178 °C
Viscosity	- 0.775 mPa.s
PH	- 6.72
Appearance	- Amber Liquid
Solubility in Water:	- Emulsifiable
Solubility in Organic Solvents:	- Soluble

**HANDLING:**

**SO-CHEM D-50 Viscosity Reducer** is an industrial chemical. Observe the warning label on product container. Normal precautions for industrial chemicals apply. For detailed information consult the Safety Data Sheet which is available on site or contact Southern Chemicals Limited immediately.

**AVAILABILITY:**

**SO-CHEM D-50 Viscosity Reducer** is available in 55 gallon drums from Southern Chemicals Limited, #2 Tarran Industrial Estate, La Romain, San Fernando.

**REVIEW:**

This Product Data Sheet shall be reviewed as necessary.

**SOUTHERN CHEMICALS LIMITED**

1 - 2 Tarran Industrial Estate La Romain

TEL NO: ((868) 230- 6081

E-mail: [sochemltd@flowtrinidad.com](mailto:sochemltd@flowtrinidad.com)/[sochemltd@hotmail.com](mailto:sochemltd@hotmail.com)