



WESTCOAST  
DRILLING  
SUPPLIES LTD.

## PRODUCT INFORMATION

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# 550X POLYMER

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- Description:** Composition of product: Concentrated, granular copolymer of sodium acrylamides/acrylates.
- Principal Uses:** By introducing 550X to appropriate drilling operations, the following practical advantages can be expected:
- 100% recovery of organic formations
  - Excellent stability of walls or holes
  - Diameter of hole practically identical to diameter of tool
  - No problem with removal of casing
  - Torque lessened by 20 - 30%
  - Faster penetration rate
  - Reduction in control and mud-production equipment
  - Reduction in wear on tubular material
  - Reduction in storage on site, volume of supplies and transport costs
  - Reduction in water consumption
  - Important time saving (drilling, maintenance, etc.)
- Mixing:** 550X can be mixed readily with fresh water. Sprinkle slowly onto agitated, turbulent water. Hydration is almost immediate. Depending on water flow, approximately 1m<sup>3</sup> of mud can be mixed in 5 minutes. This mud is then ready for use.
- Environment:** Dangerous components: None  
Potentially dangerous impurities: None  
Physical properties: White solid at 20 Degrees C  
Measures to be taken after leakage or accidental spilling: Wash abundantly with water and bleach  
Inflammability or danger of explosion: None  
Poisonous properties: Non-toxic, slightly basic  
First Aid measures: Wash with water
- Packaging:** 20 kg. High impact plastic pail with handle, .5 kg tubs - 20 per box,  
1 kg plastic bags - 20 per box

NOTE: See disclaimer for  
supplier responsibility.

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### DR - 133 POLYMER

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- Description:** DR-133 POLYMER is an advanced formula liquid polymer designed for a wide range of drilling applications.
- Principal Use:**
- Provides lifting capabilities in all hole depths.
  - Maintains hole conditions in friable zones such as overburden, silts, sands and clay.
  - Non-shearing formula provides excellent hole cleaning and stability.
  - Superior lubricating qualities eliminate vibration while increasing core recovery.
  - Encapsulating structure reduces swelling of clays and caving shales.
- Mixing:**
- Add 2 litres of DR-133 POLYMER per 250 gallons of water. Mix well.
  - Then add 2 litres of W-OB POLYMER to the above volume while mixer is on.
  - For troublesome hole conditions increase the above recommended quantities of both products.
  - Always mix DR-133 POLYMER first before adding W-OB POLYMER.
- Environment:**
- Non-dangerous goods.
- Packaging:** 2 x 10 litre plastic jugs in a carton.

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# LINSEED SOAP

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- Description:** LINSEED SOAP is a lubricating grease made from a mixture of linseed oil, fatty soaps and surfactants. It is a semi-solid paste, brown in colour.
- Application:** LINSEED SOAP can be swabbed inside inner tubes, added to drill fluid through a suction hose applicator or flushed into holding tanks with a water spray. Immediate results will occur by increased core recovery and increased bit footage.
- WHMIS:** This product is not a WHMIS controlled substance.
- TDG:** This product is not regulated under TDG.
- Packaging:** 23 kg recyclable plastic pails.

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# LUBTUB

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**Description:** LUBTUB is a liquid polymer solution. The high encapsulating and anti-swelling ability of the liquid product LUBTUB does away with drilling problems in swelling formations.

**Principal Uses:** LUBTUB is the indispensable product to use through swelling and easily wetted formations (plastic, sticky clay, gumbo-type, swelling marl, etc.) in each drilling, coring or non-cored method (tricone or drag bit) LUBTUB will:

- reduce tool binding
- stabilize hole walls
- prevent drilled soils hydrating
- prevent plastic soils from being redrilled
- improve hydraulic results
- reduce wear on tools and connections
- allow removal of casing without problem

**Concentration:** DRILLING OR CORING IN CLAYS AND MARLY STICKY FORMATIONS  
2 to 3 litres per 250 gallons of water

**Environment:**

- Composition: Sodium polyacrylate in 30% aqueous solution
- HAZARDOUS COMPONENTS: None
- POTENTIALLY HAZARDOUS IMPURITIES: NONE
- Ignition and Explosion: None
- Toxicological Information: NON TOXIC
- First Aid Action: wash with water
- Specific Hazards: NONE

**Packaging:** In 20 litre high impact plastic container with handle and pour spout.

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### W - OB POLYMER

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- Description:** W-OB POLYMER is a liquid ionic formulation which forms a molecular bond with DR-133 POLYMER to develop superior drilling quantities of both products.
- Principal Use:**
- Fast boost viscosifier for DR-133 POLYMER.
  - Develops tougher bond with DR-133 POLYMER which results in greater core recovery and hole stability in sensitive formations.
  - Increases lubricating quantities of DR-133 POLYMER.
  - Molecular structure protects core in soft formations.
- Mixing:**
- Add 2 litres of W-OB POLYMER per 250 gallons of pre-mixed DR-133 POLYMER fluid.
  - For sticky clays or unstable hole increase the above recommended quantity of W-OB POLYMER.
  - Ensure DR-133 POLYMER is mixed well before adding W-OB POLYMER to the fluid.
- Environment:** Non-dangerous goods
- Packaging:** 2 x 10 litre, plastic jugs in a carton.

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### WDS 120L

LOW SOLIDS DRILLING FLUID ADDITIVE

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- Description:** WDS 120L is a white, liquid anionic polymer which is easily mixed in fresh or brine water systems. WDS 120L yields a solids-free drilling fluid which provides excellent hole stabilizing qualities when used in plain water, X-TRA GEL fluids or in foam drilling fluids.
- Principal Uses:** WDS 120L added to plain water stabilizes swelling, caving and easily disintegrated formations, provides drill string lubrication reducing torque, rod chatter and pump pressure.
- WDS 120L, when added to a pre-mixed X-TRA GEL drilling fluid, greatly improves the properties which affect hole cleaning and formation stabilization.
- WDS 120L, when used in foam drilling fluids, provides greater foam stability which results in larger chip samples (cuttings), faster penetration, reduced air and water requirements and prevents clay/shale from swelling and sticking.
- WDS 120L is safe to use in drilling for potable water well and will not damage producing formations. It can be broken down with sodium hypochlorite (clorox) for water well completions or hydrology testing.
- Environment:** WDS120L is environmentally acceptable, is non-toxic and does not ferment. When mixed with water it is tasteless, odourless and colourless.
- Packaging:** WDS 120L is supplied in a high impact, 20 litre plastic drum with a handle and pour spout.

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# BIG BEAR ROD GREASE

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Specially thickened extreme pressure grease with additives that provide corrosion, wear and oxidation resistance. Tackiness assures adherence to drill rods while providing superior resistance to water washing and centrifugal separation. It possesses the right degree of fibrous characteristics to permit easy smearing of the drill rods by hand. As the rods are lowered into the drill hole, an adhesive film is formed on the rods that is resistant to the washing action of the water and "sludge" containing rock cuttings. This film of grease is a durable one that will prevent momentary seizure and chattering of the rods or binding in the hole. The frequency of pulling the rods for greasing is reduced and increased drilling costs are avoided.

<b>Typical Properties:</b>	Colour:	brownish yellow
	Texture:	long fibre
	Penetration:	ASTM
	Worked at 25° C	212
	Dropping point, ° C	252
	Dropping point, ° F	485
	Viscosity, cSt at 40° C (104° F)	84.6
	cSt at 100° C (212° F)	7.8
	SUS at 40° C (104° F)	392
	SUS at 100° C (212° F)	52
	Pour point, ° C	-27
	Pour point, ° F	-15

**Recommended Uses:** BIG BEAR ROD GREASE is recommended for grease lubrication on diamond drill rods whether operating on the surface or underground.

**Packaging:** 17 kg pail.

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