

SELECTING THE RIGHT FLUID LOSS ADDITIVE

The selection of fluid loss additives has always been difficult, but more recently with the influx of a wide variety of synthetic oils that offer lower environmental impact, the selection has become even more complicated. Subtle differences in base oil components and other additives such as emulsifiers or wetting agents used in the oil mud system can significantly increase or decrease the solubility of the fluid loss additive.

The Differences Between Fluid Loss Additives

asphalts: some controversy still exists in using asphalts as fluid loss additives because of its status as a toxin in some quarters where it is restricted to use in low-toxicity mineral oil systems.

gilsonite-based products: generally more effective as fluid loss additives in mineral oil based systems than in diesel based systems because gilsonite usually has a lower solubility at a given temperature in mineral and some synthetic oils than in diesel oils.

amine- treated lignites: generally less soluble in mineral and synthetic oils than in diesel. Care must be taken to select the proper solubility product to obtain optimum performance.

oil soluble polymers: introduced as fluid loss additives and viscosifiers in the 1980's. Currently they are not being widely used, but development work is still proceeding by a number of companies.

Venture Chemicals, Inc. has been a key supplier of amine-treated lignites since 1977. A number of process, application and material composition patents on oil dispersible lignite derivatives have been issued to the company. A new class of "non-amine" based lignites was introduced in 1986. As a result, the terminology to describe oil dispersible lignites was expanded to "organolignites." Development work has broadened the methods of producing these oil dispersible colloids. Solubility, dispersibility and performance can be varied over a wide range of conditions.

A line of standard organolignites is available to meet most of the cost/performance demands of current oil mud systems. These products include: **VEN-CHEM™ 208, 215 and 222.** See **PRODUCT CORNER** on page 2 for more information.

**VENTURE
CHEMICALS, INC.
WISHES EVERYONE
HAPPY HOLIDAYS!**



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IT'S NOT TOO LATE !!



Most New Year resolutions last just a few days, but there are ways of setting goals and making resolutions that mean you are far more likely to succeed in achieving them.

1. BE CLEAR ABOUT PRECISELY WHAT YOU WANT - NOT WHAT YOU DON'T WANT

Don't set resolutions such as, "I don't want to be so fat." State your resolution positively: "I want to improve my health by eating fruit when I'm hungry."

2. BE SPECIFIC

Don't say "I want to be thinner." Being vague like this may convince your brain that a loss of a pound is a success. Set a specific goal such as: "I want to weigh 120 lbs. by May 1."

3. BE IN CONTROL OF MAKING THE RESOLUTION HAPPEN

A resolution like: "I want the boss to stop shouting at me" is a cop-out. When you put your goal in someone else's hands it's a guaranteed failure. Instead, ask yourself: "What can I do to make the boss want to do something different?"

4. MENTALLY REHEARSE ACHIEVING YOUR GOAL

Athletes have been taught to visualize themselves winning. The more you can give your brain a clear idea of what it is like to achieve your goal the more your brain will draw you towards that goal.

5. IF YOU'RE CHANGING AN UNWANTED BEHAVIOR, MAKE SURE YOU UNDERSTAND THE BENEFITS THE OLD BEHAVIOR GAVE YOU

Perhaps the most overlooked aspect in meeting a goal is also the most important. If you've tried to change something and failed, chances are the benefits gained by a bad habit were too hard for the brain to part with. For the resolution to stick, you should find alternative and preferably more enjoyable ways of achieving the pleasure the old behavior gave you. For example, if smoking relaxes you, be sure that your planning includes finding more desirable ways to give you that same feeling.

- International Teaching Seminars

PRODUCT CORNER

ORGANOLIGNITES: FLUID LOSS ADDITIVES

Venture Chemicals, Inc. has been a long-time manufacturer of organolignites used as fluid loss additives in oil base drilling fluids. The company holds a number of patents on the composition, process and uses of organolignites.

Three specific products are: **VEN-CHEM™ 208**, **VEN-CHEM™ 215** and **VEN-CHEM™ 222**. These products are used primarily as fluid loss additives in various types of oil base drilling fluids. These products have been effectively used in situations where there have been concerns over potential formation damage due to asphalt-containing oil base muds.

VEN-CHEM™ 208 is the general utility organolignite used. It is generally recommended for temperatures up to 350° F. For temperatures over 350° F, **VEN-CHEM™ 222** is recommended. If you're looking for something for temperatures up to 300° F, we've got a novel, low-cost organolignite called **VEN-CHEM™ 215**. These ranges are only guidelines. Effectiveness of the various products depend on the particular emulsifier system, the base oil, the electrolyte and the other additives present in the system. **VEN-CHEM™ 215** and **VEN-CHEM™ 208** have been effective in systems as high as 400° F in certain cases. Call or fax us today for more information.

TEL: (337) 232-1977 FAX: (337) 237-5340

"Enthusiasm is contagious. It's difficult to remain neutral or indifferent in the presence of a positive thinker."

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VENTURE CHEMICALS, INC. is: a basic manufacturer of specialty chemical products used in the petroleum and chemical industries. Marketing is specifically oriented toward the drilling and production industry and to select market segments of the chemical industry. VENEWS is published by Venture Chemicals, Inc., P. O. Box 53631, Lafayette, LA 70505, as a service to users of VCI products and services. All correspondence should be addressed to Shana Nicholson, Editor, VENEWS, at the above address.

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VEN-BRIEFS

- Dolly, the sheep cloned in Scotland in 1996, is set to be dethroned by, Britney, a hen genetically engineered to produce eggs laced with cancer fighting proteins. The concept of altering eggs to produce vaccines is not new. The Edinburgh lab is already facing stiff competition from labs in Georgia and Michigan that have birds that produce an anticancer interferon and a human growth factor respectively. The yields are expected to be large and lucrative. Hens produce up to 250 eggs a year, each containing up to 100 mg of the drug. One lab calculates that because the method of production is so cheap compared to the alternatives, one gram of monoclonal antibody could cost as lit-

WHAT YOU **DON'T** KNOW CAN'T HURT YOU, BUT WHAT YOU **DO** KNOW CAN **SCARE** YOU

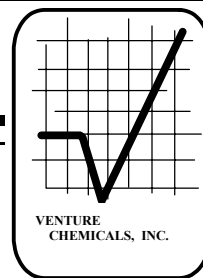
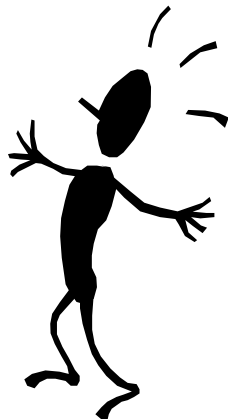
In a healthy human being there are approximately 80 distinguishable species living in the mouth alone at any given time.

The microbial density on a square centimeter of human bowel is 10 billion organisms.

10 million individual bacteria live on the average square centimeter of skin.

While the numbers appear large, take comfort in knowing the entire microbial population of the external human body could fit into a medium-sized pea.

- Life on Man



Here's a reference chart for metric conversion factors commonly used in drilling mud operations:

METRIC CONVERSION FACTORS

Measurement	Change	To	Multiply by
Length:	Miles	Kilometer	1.609
	Feet	Meters	0.305
	Inch	Centimeter	2.54
	Inch	Millimeter	25.4
Volume:	Barrels	Cubic Meters	0.159
	Cubic Feet	Cubic Meters	0.028
	Gallons	Cubic Decimeters	3.79
Weight:	Pound	Kilogram	0.454
	Pressure:	psi	kPa
psi		Bar	0.0689
psi		kg/cm ²	0.07
Pressure Gradient:	psi/ft.	kPa/m	22.62
Density:	pound/gal.	kg/m ³	119.83
	pound/gal.	g/cm ³	0.1198
	pound/ft. ³	kg/m ³	16.02
Concentration:	pound/bbl	kg/m ³	2.85

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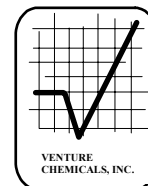
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DECEMBER 2000



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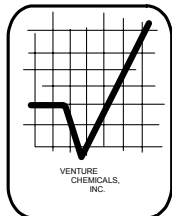
- viscosifiers
- seepage loss additives
- fluid loss additives
- shale control additives
- lost circulation products
- emulsifiers
- oil based products
- wetting agents
- flocculants
- dispersants
- lubricants
- spotting fluids/additives

**DON'T BE LEFT OUT IN THE
COLD!**



**FOR YOUR FLUID LOSS PROBLEMS, CALL AND ASK
WHICH VEN-CHEM™ PRODUCT IS RIGHT FOR YOU!**

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