



Johnson
Screens

A brand of
Aqseptence Group

Dispersant Boost Nu-Well 400 Non-Ionic Surfactant



Description

Dispersant Boost is a surfactant designed to improve cleaning efforts in tight formations or heavily impacted well systems. The surface-active properties of **Dispersant Boost** are excellent for improving penetration of hard deposits or for wetting surfaces to be cleaned over a wide pH range.

Dispersant Boost may also be used to improve flow characteristics of heavy fluid or muds used in well construction. By changing the surface tension, **Dispersant Boost** improves cleanup of oil or biologically fouled areas. NSF certified for potable water well systems.

Application

One gallon of **Dispersant Boost** is used at the rate of 1 gallon per 1,000 gallons of water in the system being cleaned, or the total gallons of cleaning solution to be used. If the system is being cleaned for oil or heavy biofouling, use **Dispersant Boost** at the rate of one gallon per 500 gallons of water.

In wells that are severely impacted or contain pump lube oils, it is recommended to use 1.5 times the treatment volume to enhance cleaning.

Physical properties, shipping and handling

Appearance: Pale yellow colored liquid

Density: 9.4 lbs./gal.

pH (as shipped): 7.5-8

Specific Gravity: 1.13

Freeze point: 30°F (-1°C)

Volatility: 25%

Solubility (in water): 100%

Use range: 0.01 to 0.1% by volume

- Not regulated as a hazardous material under 49CFR 172.101
- The product is not considered dangerous and requires no special handling. Avoid contact with strong acids or alkaline-based products
- Additional physical and handling data are available on the product SDS
- 1 gal. and 5 gal. containers can be shipped by UPS ground delivery
- Available in 1, 5, 30 and 55 gal. containers

Nominal Well Size		Standard Dose		Heavy Oils	
in.	mm	gal./ft	l/m	gal./ft	l/m
2	51	0.001	0.01	0.001	0.01
3	76	0.001	0.01	0.001	0.01
4	102	0.001	0.01	0.001	0.02
5	127	0.001	0.01	0.002	0.03
6	152	0.001	0.02	0.003	0.04
8	203	0.003	0.03	0.005	0.07
10	254	0.004	0.05	0.01	0.1
12	305	0.006	0.07	0.01	0.1
14	356	0.008	0.10	0.02	0.2
16	406	0.01	0.13	0.02	0.3
18	457	0.01	0.16	0.03	0.3
20	508	0.02	0.20	0.03	0.4
22	559	0.02	0.25	0.04	0.5
24	610	0.02	0.29	0.05	0.6
26	660	0.03	0.34	0.06	0.7
30	762	0.04	0.46	0.07	0.9
34	864	0.05	0.59	0.09	1.2
36	914	0.05	0.66	0.11	1.3

Dosage Guide Clay Dispersant

Example

Old 12 in. well, total depth = 600 ft.,
SWL = 50 ft. with heavy
accumulation of turbine oil

Step 1

Height = (600 ft. - 50 ft.) = 550 ft.

Step 2

Dosage factor = 0.01 gal./ft.

Step 3

550 ft. x 0.01 gal./ft. = 5.5 gal.

Step 4

Add 5.5 gallons of **Dispersant Boost**
to the cleaning solution

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