

ANCO SAFE SPOT

Solutions Through Technology.....

Environmentally Friendly Chemicals

Product Description

ANCO SAFE SPOT is an environmentally safe, surfactant concentrate used in the preparation of a water-based spotting fluid to release stuck pipe.

Typical Application

ANCO SAFE SPOT should be considered whenever pipe becomes wallcake (differentially) stuck while using a water based mud in open hole. ANCO SAFE SPOT is especially applicable for use in environmentally sensitive areas where the toxicity of the fluid system is a concern.

Product Advantages

- ANCO SAFE SPOT cracks and penetrates the wallcake, releasing the pressure lock holding the pipe.
- Weighted and unweighted spotting fluids may be formulated with the product.
- ANCO SAFE SPOT can be quickly and easily mixed on location with standard rig equipment.
- ANCO SAFE SPOT can be incorporated into water based mud without significantly damaging the rheological and filtration rate properties of the fluid.
- ANCO SAFE SPOT fluids will not significantly reduce the 96 hour LC50 bioassay value of the drilling fluid.*

*Note: Up to 3% by volume of ANCO SAFE SPOT (in "generic muds" #7 and #8).

Recommended Treatment

A 50 bbl unweighted ANCO SAFE SPOT is prepared by adding 9 (55 gal.) drums of the product to 38.2 bbls of water in a well agitated pill pit. A weighted spot, (refer to the mixing chart below for the volumes of product, water, and barite), should include 0.25 to 0.50 lb/bbl of ANCO ZAN D (or equivalent) for barite suspension. ANCO SAFE SPOT should be added through the hopper for optimum mixing efficiency. Mix a sufficient volume of spot to cover the expected stuck-pipe zone in the annulus, and minimum of 10 to 20 bbls extra. Pump sufficient spot into the annulus to cover the stuck pipe, stop pumping and allow the spot to "soak" (at least 8 hours). Work the pipe and pump fresh spot (1 to 2 bbls at a time) into the open hole occasionally (every 30 minutes to 1.0 hour).

ANCO SAFE SPOT MIXING CHART (100 BBLS)			
Density (ppg)	ANCO SAFE SPOT (Drums)	Water (bbls)	ANCOBAR (sxs)
10	18	70	96
12	16	66	206
14	14	58	318
16	12	52	430
18	12	48	542

Handling

Employees should utilize normal precautions when handling chemical products. The use of a face shield or safety goggles, gloves and apron are recommended when handling this product. In case of contact with eyes, flush with clean, fresh water and seek medical advice. In case of skin contact, wash the affected area with soap and water. Review the Material Safety Data Sheet (MSDS) for this product prior to use.

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Storage

Store product in sealed container, protected from precipitation, and excessive heat.

Packaging

Supplied in 55 gallon (206 liter) drums, net weight 400 lbs (182 kg).

Typical Chemical and Physical Properties

Specific Gravity g/cm ³	8.4
Flash Point, °F	220
Solubility	Insoluble in water, soluble in most organic solvents
Appearance	Creamy, viscous liquid
Color	Yellow amber to brown
Odor	Aromatic
pH	4.0 - 7.0