

SURFLO^{T.M.} -B33

MICROBIOCIDES

SURFLO-B33 will control the growth of aerobic bacteria and anaerobic bacteria, including sulfate reducers which occur in drilling and packer fluids.

WARNING:

May be fatal or harmful if swallowed or absorbed through the skin. May cause eye injury and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Avoid contamination of food.

FLAMMABLE — Keep away from heat or open flame.

FIRST AID:

EXTERNAL — In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

INTERNAL — If swallowed, drink promptly a large quantity of milk, egg whites or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

FORM NO. 513-1

Active Ingredients:

Isopropyl alcohol	37.4
Sodium salt of 2,2' — methylenebis (4,6 — dichlorophenol)	17.0
Sodium salt of other chlorophenols	8.0

Inert Ingredients:

37.6
100%

EPA Registration No.

17664-14

Net Weight

55 gallon drum	476 lbs.
5 gallon can	43.3 lbs.

Percent by Weight

USE DIRECTIONS

SURFLO-B33 is used as a slug treatment to control microbiological growth in drilling and packer fluids. The amount required depends on many factors which should be established by biological tests; however, the treatment described below will give adequate protection for most systems:

1. **Initial Treatment** — Apply 16 fluid ounces per barrel (42 gallons) of drilling or packer fluid. This treatment should be applied at a point in the system where it will be uniformly mixed.

Repeat until control is achieved.

2. **Subsequent Treatment** — For packer fluids, no subsequent treatment is necessary. However, for drilling fluids, the above dose should be repeated each week, or as needed to maintain control.

This product is toxic to fish and wildlife. Treated fluids should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not reuse empty container. Destroy container by perforating or crushing. Bury or discard in a safe place away from water supplies.



BAROID DIVISION

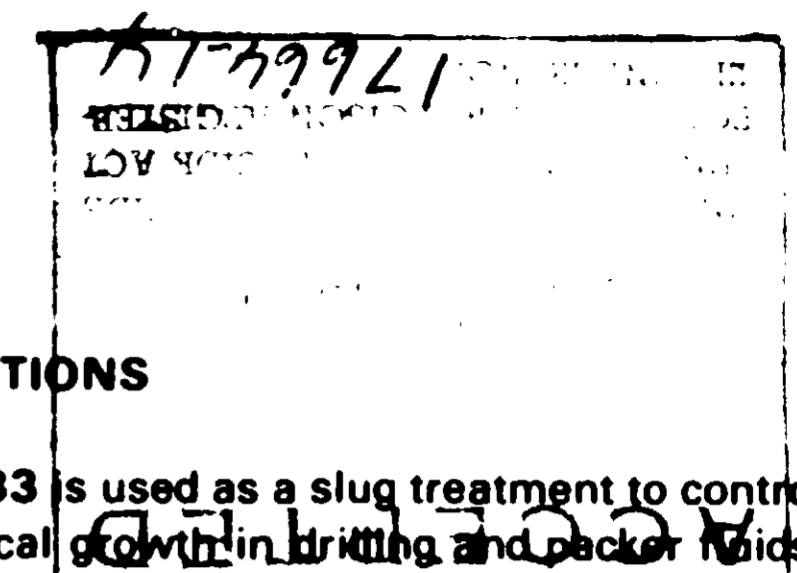
N L Industries, Inc.

P.O. BOX 1675 HOUSTON, TEXAS 77001

WARNING

Keep Out of Reach of Children.

See First Aid statement and other precautions on the left panel.



BAROID

products and services

SURFLO-B33
Microbiocide

BAROID TREATING CHEMICALS

GENERAL INFORMATION:

SURFLO-B33 is a high-activity microbiocide for the control of aerobic bacteria and anaerobic bacteria, including sulfate reducers, which occur in water-base drilling or packer fluids.

PHYSICAL PROPERTIES:

Specific Gravity at 65 F	1.04
Density, lb/gal	8.66
Viscosity, SUS at 70 F	56
Flash Point, F (Tag Open Cup)	78
Pour Point, F	Below -10
pH, Concentrate	12.0

CHEMICAL DESCRIPTION:

SURFLO-B33 is a sodium salt of a chlorinated phenol blended with isopropyl alcohol. SURFLO-B33 is soluble in water and insoluble in oil.

LIMITATIONS:

SURFLO-B33 is a chlorinated phenol type of microbiocide and is not recommended

RECOMMENDED USES:

SURFLO-B33 is recommended for use as a microbiocide for the following applications where anaerobic or aerobic bacteria exist:

1. Fresh or brine water packer fluids.
2. Water-base drilling fluids.

USE DIRECTIONS:

SURFLO-B33 is used as a slug treatment to control microbiological growth in drilling and packer fluids. The amount required depends on many factors which should be established by biological tests; however, the treatment described below will give adequate protection for most systems:

1. Initial Treatment--Apply 16 fluid ounces per barrel (42 gallons) of drilling fluid. This treatment should be applied at a point in the system where it will be uniformly mixed.

Repeat until control is achieved.

2. Subsequent Treatment--For packer fluids,

Pour Point, F Below -10
pH, Concentrate 12.0

CHEMICAL DESCRIPTION:

SURFLO-B33 is a sodium salt of a chlorinated phenol blended with isopropyl alcohol. SURFLO-B33 is soluble in water and insoluble in oil.

LIMITATIONS:

SURFLO-B33 is a chlorinated phenol type of microbiocide and is not recommended for use where the treated fluid will reach a refinery catalyst. Restriction may be placed on its use by producing companies, pipe line companies, and refineries.

This product is toxic to fish and wildlife. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes.

depends on many factors which should be established by biological tests; however, the treatment described below will give adequate protection for most systems:

1. Initial Treatment--Apply 16 fluid ounces per barrel (42 gallons) of drilling fluid. This treatment should be applied at a point in the system where it will be uniformly mixed.

Repeat until control is achieved.

2. Subsequent Treatment--For packer fluids, no subsequent treatment is necessary. However, for drilling fluids, the above dose should be repeated each week, or as needed to maintain control.

PACKAGING:

SURFLO-B33 is packaged in 5-gallon cans and 55-gallon drums.

AVAILABILITY:

SURFLO-B33 is available from Baroid Service Centers and at the Baroid Houston Plant, Houston, Texas.

Camaraman's Note

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BAROID SERVICE CENTERS, INC. HOUSTON, TEXAS

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 11/19/01 BY 60322 UCBAW/STP

STORAGE AND HANDLING:

SURFLO-B33 is classified as an economic poison under federal regulations. Keep out of reach of children.

May be fatal or harmful if swallowed or absorbed through skin. May cause eye injury and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Avoid contamination of food.

SURFLO-B33 is flammable. Keep away from heat or open flames.

FIRST AID:

EXTERNAL--In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

INTERNAL--If swallowed, drink promptly a large quantity of milk, egg whites or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.