

## DIRECTIONS FOR USE

**GENERAL CLASSIFICATION:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

For the control of slime-forming and sulfate-reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids, drilling, fracturing and completion fluids, add 30-3000 ppm SURFLO®-B81W depending on the severity of the contamination.

### INTERMITTENT OR SLUG METHOD

For treatment of enhanced oil and gas recovery injection fluids, where noticeably fouled, add 100-400 ppm SURFLO®-B81W (4.2-16.8 gallons or 33.7-134.7 pounds SURFLO®-B81W per 1000 barrels of water). Repeat treatment 1-5 times per week or as needed to establish control. Subsequently, treat with 30-200 ppm SURFLO®-B81W (1.26-8.4 gallons or 10.1-67.4 pounds SURFLO®-B81W per 1000 barrels of water). Repeat treatment as needed to maintain control. For treatment of drilling, fracturing, and completion fluids, where higher concentrations may be required, where noticeably fouled, add 300-3000 ppm SURFLO®-B81W (12.6-126.0 gallons or 101.1-1010.5 pounds SURFLO®-B81W per 1000 barrels of injection fluid). Repeat treatment 1-5 times per week or as needed to establish control. Subsequently, treat with 30-2000 ppm SURFLO®-B81W (1.26-84.0 gallons or 10.1-673.7 pounds SURFLO®-B81W per 1000 barrels of injection fluid). Repeat treatment as needed to maintain control.

### CONTINUOUS FEED METHOD

For treatment of enhanced oil and gas recovery injection fluids, where noticeably fouled, add 100-400 ppm SURFLO®-B81W (4.2-16.8 gallons or 33.7-134.7 pounds SURFLO®-B81W per 1000 barrels of water) continuously until the desired degree of control is established. Subsequently, treat with 30-200 ppm SURFLO®-B81W (1.26-8.4 gallons or 10.1-67.4 pounds SURFLO®-B81W per 1000 barrels of water) continuously or as needed to maintain control.

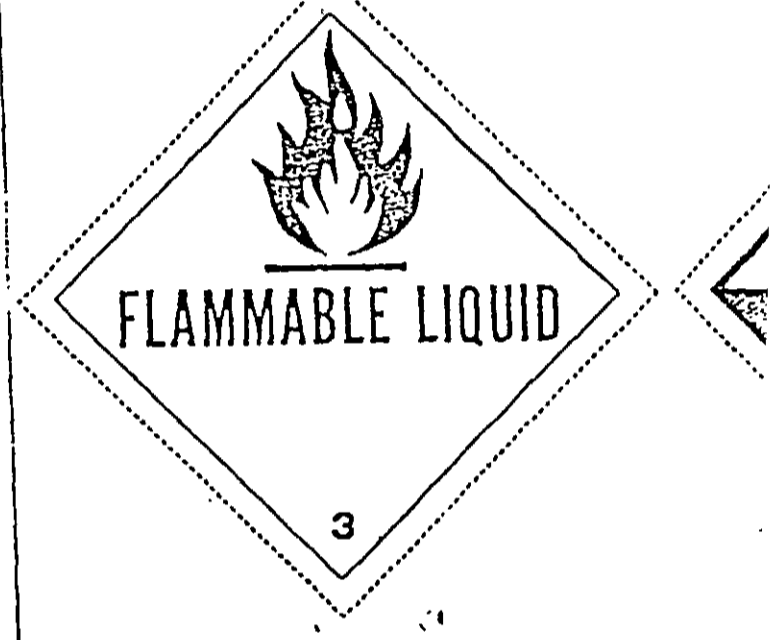
**NOTE:** Addition of SURFLO®-B81W should be made at a point in the system where it will be uniformly mixed.

SURFLO®-B81W weighs 8.02 lbs per gallon.

Freeze stable to minus 45°F (-43°C).

CONTAINS METHANOL.

BEST DOCUMENT AVAILABLE



DOT Proper Shipping

**FLAMMABLE LIQUID, CO**

(Contains Methanol and 5-Chloro-2-methyl-2-butanol)  
UN 2924

In event of emergency  
CALL TOLL FREE: 800-424-9300

ACCEPTED  
with COMMENTS  
by EPA Letter Dated:

JUN 28 1983

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

44797-14

BEST DOCUMENT AVAILABLE

**CONDITIONS FOR USE**

It is a violation of Federal Law to use this product without its labeling.

For enhanced recovery injection fluids, drilling, and completion fluids, add 30-3000 ppm SURFLO®-B81W depending on salinity.

**SLUG METHOD**

For oil and gas recovery injection fluids, where no surfactant is used, add 30-3000 ppm SURFLO®-B81W (4.2-16.8 gallons or 33.7-134.7 lbs per 1000 barrels of water). Repeat treatment as needed to establish control. Subsequently, treat with 30-200 ppm SURFLO®-B81W (1.26-8.4 gallons or 10.1-67.4 pounds per 1000 barrels of water). Repeat treatment as needed during the treatment of drilling, fracturing, and completion operations may be required, where noticeably fouled, add 30-3000 ppm SURFLO®-B81W (12.6-126.0 gallons or 101.1-1010.5 lbs per 1000 barrels of injection fluid). Repeat treatment as needed to establish control. Subsequently, treat with 30-200 ppm SURFLO®-B81W (1.26-8.4 gallons or 10.1-67.4 pounds per 1000 barrels of injection fluid). Repeat treatment as needed to maintain control.

**CONTINUOUS FEED METHOD**

For oil and gas recovery injection fluids, where noticeable surfactant is used, add 30-3000 ppm SURFLO®-B81W (4.2-16.8 gallons or 33.7-134.7 lbs per 1000 barrels of water) continuously until the surfactant is established. Subsequently, treat with 30-200 ppm SURFLO®-B81W (1.26-8.4 gallons or 10.1-67.4 pounds per 1000 barrels of water) continuously or as needed to maintain control.

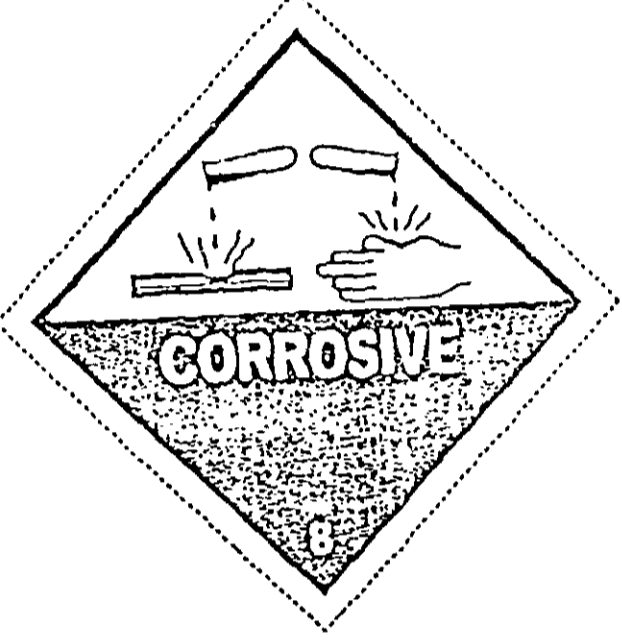
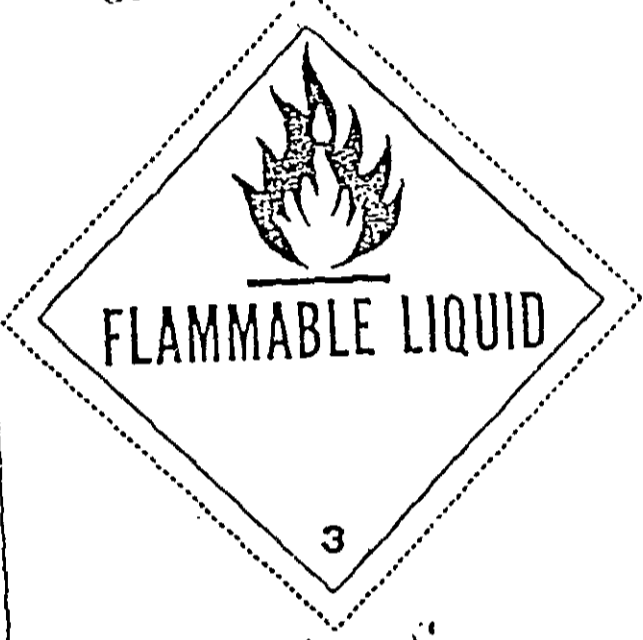
SURFLO®-B81W should be made at a point in the system where it will be uniformly mixed.

1.02 lbs. per gallon.

32°F (-43°C)

CONTAINS METHANOL.

BEST DOCUMENT AVAILABLE



DOT Proper Shipping Name:

**FLAMMABLE LIQUID, CORROSIVE, N.O.S.**

(Contains Methanol and 5-Chloro-2-methyl-4-isothiazolin-3-one)  
UN 2924

In event of emergency,  
CALL TOLL FREE: 800-424-9300 (CHEMTREC)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUN 28 1983

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
44797-14

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS and DOMESTIC ANIMALS**

**DANGER**

**CORROSIVE**

**CONTAINS METHANOL, WHICH MAY CAUSE BLINDNESS  
MAY CAUSE ALLERGIC SKIN REACTION  
VAPOR HARMFUL IF INHALED  
FATAL IF SWALLOWED**

Do not get into eyes, on skin, or clothing. Wear goggles and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. Do not discharge into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency. Do not contaminate waters by cleaning of equipment or disposal of wastes.

**PHYSICAL OR CHEMICAL HAZARDS**

**FLAMMABLE**—Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

**STORAGE:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. If plastic, do not reuse empty container.

**DISPOSAL:** Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Triple rinse (or equivalent) all containers and, for metal containers, offer for recycling or reconditioning (for plastic containers, dispose in an incinerator) or dispose in landfill approved for pesticide containers or bury in a safe place. Consult federal, state or local disposal authorities for approved alternative procedures.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness, for a particular purpose, expressed or implied, extends to the use, storage or handling of this product in a manner other than as directed by label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

THIS DOCUMENT AVAILABLE FROM NATIONAL ARCHIVES

**SURFLO®-B81W**

**AN OIL FIELD MICROBIOCID**

**ACTIVE INGREDIENTS:**

5-Chloro-2-methyl-4-isothiazolin-3-one.....	1.15%
2-Methyl-4-isothiazolin-3-one.....	0.35%
<b>INERT INGREDIENTS:</b> .....	<b>98.50%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

**ACCEPTED KEEP OUT OF REACH OF CHILDREN**

with COMMENTS  
in EPA Letter Dated:

JUN 28 1988

**DANGER**

**POISON**

**CONTAINS METHANOL**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

44797-14

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Dilute with two glasses of water. Call a physician *immediately*. See NOTE TO PHYSICIAN. Do not give anything by mouth to an unconscious person. Material is corrosive and contains methanol (methyl alcohol).

**IF INHALED:** Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**IF ON SKIN:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

**IF IN EYES:** Flush with plenty of water for at least 15 minutes. Call a physician.

**NOTE TO PHYSICIAN:**

Material is corrosive and may cause mucosal damage. *Careful* gastric lavage may be indicated for toxic effects of methanol. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

MANUFACTURED BY

**NL Treating Chemicals/NL Industries, Inc.**

P. O. BOX 490, CHANNELVIEW, TEXAS 77530

EPA Reg No. 44797

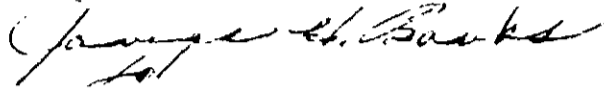
EPA Est. No. 44797-TX

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (MH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	JUN 28 1983
	NAME OF PESTICIDE PRODUCT	
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION <i>(Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended)</i>		
NAME AND ADDRESS OF REGISTRANT (include ZIP code)		
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosures