

# SUPERIOR-C-55

## INDUSTRIAL BACTERIOSTAT

### FOR TREATMENT OF OIL FIELD INJECTION WATER SYSTEMS, DRILLING AND PACKER FLUIDS

ACCEPTED  
8 FEB 1976  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND ROENTICIDE ACT  
FOR THE TOXIC POISON REGISTER  
EPA REG. NO. 19149-1

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#### DANGER

#### KEEP OUT OF REACH OF CHILDREN

**CORROSIVE:** Causes eye damage. May produce severe burns. Do not get in eyes, on skin or on clothing. Protect eyes and skin with goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed, inhaled or absorbed through skin. Do not breathe vapor or mist.

**FIRST AID:** In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes, and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse. If swallowed, induce vomiting by sticking finger down the throat or by giving an emetic such as 2 tablespoonsful of salt in a glass of warm water. Call a physician.

**NOTE TO PHYSICIAN:** This product is a metabolic stimulant. Causes hyperthemia. Treat symptomatically. Rinse empty container thoroughly with water before discarding or returning drum to drum reconditioner.

"This product is toxic to fish. 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. Apply this product only as specified on this label."

"Refer to the product information bulletin for directions for use."

#### INGREDIENTS

Active Ingredient: Sodium salt of 2, 4, 5 -  
Trichlorophenol ..... 32.7%  
Inert Ingredients: ..... 67.3%  
Net Volume: 55 gallons

#### NOTICE OF WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage resulting from its misuse as such, or in combination with other materials.



SUPERIOR CHEMICAL COMPANY  
330 Verdun Street  
Lafayette, Louisiana 70501

INDUSTRIAL BACTERIOSPAT

For Treatment of Oilfield Water Injection Systems, Packer Fluid  
and Drilling Mud

DESCRIPTION

Superior S-55 is a chlorinated phenol solution useful in the control of the growth of mixed aerobic or anaerobic bacteria in oilfield waters. Successful applications include fresh water and brine used for subsurface injection into oil reservoirs. Superior S-55 is also useful for control of bacteria in drilling mud or packer fluid in oil drilling and completion operations.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Specific Gravity @ 60°F:	1.190
Specific Weight @ 60°F:	9.98
Flash Point (C.O.C.):	None
Pour Point :	30°F
Solubility:	Essential soluble in fresh water. Soluble in most brines at use concentrations.

USE INFORMATION

WATER INJECTION SYSTEMS

Injection systems with low bacteria level: when levels on source water are low at the start of a system, growth can be minimized through the surface and down hole equipment by infrequent batch treatment. Inject Superior S-55 with a chemical feed pump at a level of one part by volume Superior S-55 for 20,000 parts of water, over a period of 4 to 6 hours two times per week. Reduce treatment to one time per week if results warrant.

Injection systems with high bacteria levels: waters containing high bacteria counts or severe plugging problems resulting from bacterial fouling should be treated continuously. Using a chemical feed pump, inject one part by volume of Superior S-55 to from 40,000 to 200,000 parts of injection water. Initiate treatment at one part Superior S-55 to 40,000 parts water and reduce treatment if indicated by reduction in bacteria growth or injection pressure.

# Superior Chemical Company

## Drilling Mud and Packer Fluid

Completion mud or packer fluid should be treated with one part of Superior S-55 for 1,000 parts of fluid. Superior S-55 is useable with oil base or water base completion and packer fluids. Superior S-55 should be injected into completion mud just upstream of the mud pump to provide adequate mixing before injection into the drill pipe or annular space between casing and tubing.

## HANDLING INSTRUCTIONS

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SYSTEMS, DRILLING AND PACKER FLUIDS**

EPA REG. NO. 19149-1

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ACCEPTED WITH COMMENT