



**Biocide A** controls the growth of microorganism populations in contaminated water. **Biocide A** is effective against most types of bacteria, fungi, and algae. It controls population growth by acting as a metabolic inhibitor. A bacteria and is compatible with all Biocides is effective against aerobic and anaerobic brine types. Whether it can successfully “kill” depends upon several variables not least of which is the dose (i.e. the concentration of biocide) and the time it is in contact with microorganisms. Most biocides can also be regarded as biostatic. That is, at concentrations lower than that required to kill, the biocide inhibits cell growth, whilst it is present. Once the chemical is removed, the bacteria will continue to grow again

**Biocide A** is an additive that kills bacteria. Bactericides are commonly used in water muds containing natural starches and gums that are especially vulnerable to bacterial attack. Bactericide choices are limited and care must be taken to find those that are effective yet approved by governments and by company policy. Bactericides, also called Biocides, can be used to control sulfate-reducing bacteria, slime-forming bacteria, iron-oxidizing bacteria and bacteria that attacks polymers in fracture and secondary recovery fluids and etc. In polymers, the degradation of the fluid is controlled, thus avoiding the formation of a large biomass, which could plug the formation and reduce permeability.

### Typical Physical Properties

CHARACTERISTIC	STANDARD	Test Method
Physical appearance	Colorless liquid	----
pH	6-7	ASTM D-1172
Sp.Gr @25 °C (g/ml)	1.01	ASTM D-1298
Viscosity @ 25 °C (Cps)	≤ 50 Cps	ASTM D-445
Pour Point (°C)	< -8	ASTM D-97
Solubility in Water	Completely Soluble	----



### Applications

- Prevent spoilage of organic colloids.
- Control sulfate reducing bacteria.
- Control total bacteria content

### Recommended Treatment

The dosage depends on the injection method. In continuous injection, the dosage will be in the range of 20-50 ppm. But in non-continuous injection, the shock dose will be in the range of 100-400 ppm.

### Packaging and Storage

**Biocide A** is packaged in 200 kg polyethylene or steel drums. Customized packaging is also available on request.

Keep away from heat, sparks and open flames. Keep containers closed. Other normal precautions for process chemicals apply.

### Shelf Life

**Biocide A** has shelf life of at least one years from the data of manufacture when stored in the original sealed containers in a cool and dry place.

### Safety and Handling

Do not get in eyes, on skin, on clothing. Do not take internally.

Biocide A must be handled as an Industrial chemical, wearing protective equipment and observing the precautions as mentioned in the MSDS.