



## CORROSION PROTECTION

### Biocide ICB

#### OVERVIEW

Biocide ICB-11G is a solution of glutaraldehyde and formaldehyde. It is designed to protect oilfield equipment and pipelines from microbiological corrosion and sulfate reducing bacteria.

#### POTENTIAL APPLICATION

The most dangerous microorganisms for oil field industry are Sulfate-Reducing Bacteria (SRB). It emits hydrogen sulfide as a product of their life activity and causes intense corrosion deterioration of equipment and pipelines. By rapidly developing colonies in downhole conditions, these bacteria can also decrease formation permeability and worsen well performance. The most effective method to fight microbiological corrosion is the use of biocides. Due to its high chemical activity nature, Biocide ICB-11G provides reliable protection against various types of bacteria including SRB.

Property	Value
Appearance	Uniform liquid, amber to brown color
Density at 20°C, gr/cm <sup>3</sup>	0.95 – 1.05
Mass of active component, %	Not less than 20%
Freeze point, °C	Neg 50
Solubility	Soluble in water



#### FEATURES AND BENEFITS

- Provides reliable protection against biocorrosion and microbiological contamination;
- Casts down life activity of sulfate-reducing bacteria;
- Completely removes biofilm from equipment surface and prevents colony development;

#### STORAGE AND PACKAGING

When stored in the original unopened containers, Biocide ICB-11G has a usable life of 12 months from the date of production. Biocide ICB-11G is available in 200-ltr drums and 1000-ltr cubes.

#### LIMITS

In order to create a high-quality biocorrosion protection, a dedicated product selection is required for any specific deposit condition. Optimal dosage of the most effective biocide is determined through a series of laboratory tests.