

**Typical Physical Properties**

Physical Appearance	Amber liquid
Specific gravity at 20 °C, gr/ml	1.05±0.03
Solubility in water	Soluble
Flash Point	> 100
pH (5% solution)	6-8
Odor	Odorless
Viscosity @ 25 °C	50-100

ICC-Corrosion Inhibitor (WB) is a concentrate film-forming, water soluble corrosion inhibitor designed for prevention of corrosion in drilling equipment's. **ICC-Corrosion Inhibitor (WB)** effectively controls corrosion in systems containing CO₂, H₂S, organic acid and brines. It is mixture of several filming compounds and effective in corrosion protection of drilling equipment's. This inhibitor does not impart emulsification tendencies.

ICC-Corrosion Inhibitor (WB) is a filming amine corrosion inhibitor that physically and chemically absorbs on metal to help protect it from hydrogen sulfide, carbon dioxide and oxygen corrosion.

ICC-Corrosion Inhibitor (WB) can be used in a fluid system. It is suitable for in all brines and water-based drilling fluid systems. When used in a fluid system, **ICC-Corrosion Inhibitor (WB)** is most effective as a slug treatment. **ICC-Corrosion Inhibitor (WB)** is particularly useful to help protect metal surfaces in air, mist and foam drilling operations.

Applications

Inhibits hydrogen sulfide, carbon dioxide or oxygen corrosion attack of surfaces.

Protects drill pipe in the hole when used as slug treatment.

Inhibits formation of corrosion cells in air, foam or mist drilling, low-solids and weighted drilling fluids.

Advantages

- Typical dosage rates are between 15-40 ppm depending on the severity of the corrosive system.
- Mixes quickly with oil and/or solvents.



- Helps provide effective corrosion inhibitor for all water- based drilling fluids.
- Effective in small concentrations.
- Solubilizes in oil allowing for efficient and even application of inhibitor.
- Helps maintain stability at temperature above 300 °F (149 °C).

Packaging and Storage

ICC-Corrosion Inhibitor (WB) is packaged in 220 Li 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.

Material Compatibility

AVOID Contact with strong oxidizer (e.g., chlorine, peroxides, chromates, nitric acid (e.g., sulfuric, phosphoric, nitric, hydrochloric, chromic, and sulfonic).

ICC-Corrosion Inhibitor (WB) are compatible with High- density polyethylene, polypropylene and stainless steel.

Copper, aluminum and their alloys are not recommended.

Shelf Life

ICC-Corrosion Inhibitor (WB) 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

ICC-Corrosion Inhibitor (WB) do not get in eyes, on skin, on clothing. Do not take internally. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. The use of rubber gloves and protective goggles is compulsory. Do not inhale vapours. In case of contact, wash immediately with water and change contaminated clothing.