

CHEMBINE₂ WCW85385 combination scale & corrosion inhibitor

Inhibits mineral scale and corrosion in oilfield systems

Applications

- Conventional
- Onshore
- Offshore

Features and Benefits

- Dual combination product
 - Controls both scale and corrosion
- Adsorbs on the surface of the crystals during nucleation
 - Can be used against a variety of scales
 - Provides versatility under changing conditions
- Adsorbs onto metal surfaces
 - Controls corrosion due to the acid gases carbon dioxide and hydrogen sulfide

CHEMBINE™ WCW85385 combination scale and corrosion inhibitor from Baker Hughes, controls both scale and corrosion in oilfield systems. It inhibits mineral scale deposition by crystal distortion, adsorbing on the surface of scale crystals during nucleation, thereby blocking active growth sites limiting further expansion of the crystal. It also acts as a film forming corrosion inhibitor adsorbing onto metal surfaces to provide protection in both brine and hydrocarbon phases.

WCW85385 combination scale and corrosion inhibitor combined scale and corrosion inhibitor should be considered only for continuous application and injected upstream of the point where scaling and corrosion occurs, e.g. in topsides production equipment. It is not recommended for use in well squeeze applications.

By utilizing water analyses, scaling tendency calculations, corrosion rates and system conditions, your local Baker Hughes representative will determine the optimum injection location and dosage rate to ensure successful treatment.

Materials compatibility

Suitable

Metals:	Stainless steel 316, aluminum, stainless steel 304
Plastics:	Polyethylene HD, Polypropylene HD, Nylon 11, Hytrel® 6356
Elastomers:	Nitrile Buna N, PTFE, Viton® 75, EPDM, Viton® 58 Shore 90

Not Suitable

Metals:	Mild steel
Elastomers:	HNBr

Safety and handling

Before handling, storage, or use, review the Safety Data Sheet (SDS) for guidance.

Typical properties

Relative density 60.8°F (16°C)	1.047 to 1.117
Flash point, closed cup	>158°F (>70°C)
Melting point/ freezing point	<68°F (<-20°C)
pH	3.6
Viscosity at 104°F (40°C)	6 cSt