

## Riteks SC-605

### MULTI-FUNCTIONAL IRON CONTROL AGENT FOR OILFIELD APPLICATIONS

#### General Description

Riteks SC-605 uses a proprietary blend of proven high performance additives to achieve a unique combination of Iron fouling control, scale inhibition and reduced corrosion in oilfield fluid systems. Both lab and field use have shown excellent results in the prevention of Iron Sulfide and Iron Oxide deposits, with higher dose levels achieving dissolution of such species and reduced emulsifying effects.

- Iron Sulphide Inhibition & dissolution
- Non-THPS based
- Proven effective and "best in class" in production and SWD systems where Iron Sulphide is a primary issue

The use of Riteks SC-605 has shown to improve oil recovery via preventing its incorporation into Iron Sulfide solids, and reduce or eliminate the need for surfactants & de-emulsifiers.

Riteks SC-605 a proven inhibitor of Calcium Carbonate and Barium Sulfate, and is not affected by the presence of Iron and other metals. It has exhibited excellent compatibility in high TDS brines and thermal stability to at least 300°F / 150°C.

#### Dosage

Dose rate of Riteks SC-605 depends on conditions, with 60 – 100 ppm for inhibition and continuous treatment of Iron solids and 500 – 1000 ppm for Iron Oxide / Sulfide "clean up" / fast dissolution. Please check for compatibility prior to blending with other chemicals including neutralizing agents.

#### Usage Information

##### Health and Environmental Data

Riteks SC-605 is an aqueous solution. Proper PPE is required when handling. Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.



#### Chemical Description

Corrosion/Scale Inhibitor

#### TYPICAL PROPERTIES

pH:	<2.0
FORM:	Aqueous solution
COLOR:	Dark Amber
DENSITY:	Aprox. 1.08 - 1.14
MISCIBILITY:	Methanol

*Typical properties given do not constitute a supply specification.*

#### Packaging/Storage

Available in 330 gal totes.  
Store in a cool dry place away from direct heat sources.

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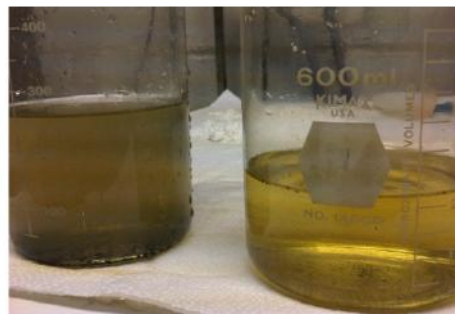
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##### Visual Test Results:

##### Iron Sulfide Dissolutions Tests – SC-605 vs. 75% THPS

Untreated produced water #1



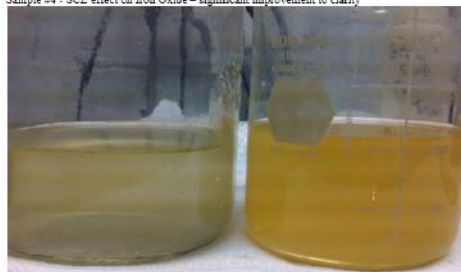
Pictures taken after 24 hours show the degree of dissolution over time.

1000 ppm THPS 75% - after 15 minutes

1000 ppm SCL chemistry - 5 minutes



Sample #4 - SCL effect on Iron Oxide - significant improvement to clarity



Note: oil layers on top of SCL treated jars!

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