

# Cambrex TF- H<sub>2</sub>S Clean



## Brine H<sub>2</sub>S Scavenger

Cambrex TF – H<sub>2</sub>S Clean is an efficient water soluble solution for sulfur scavenging applications and has many benefits against the current market standard products.

### Applications

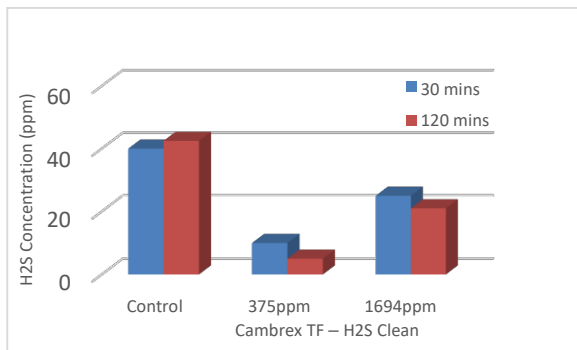
Cambrex TF – H<sub>2</sub>S Clean is effective and can be applied in neutral, acidic, and alkaline conditions (pH environment), where standard products are effective and stable only under alkaline conditions.

Cambrex TF – H<sub>2</sub>S Clean displays a continuous scavenging activity over longer time periods in comparison to standard products. No precipitation products from the sulfide Cambrex TF – H<sub>2</sub>S Clean reaction were observed during testing under the experimental conditions.

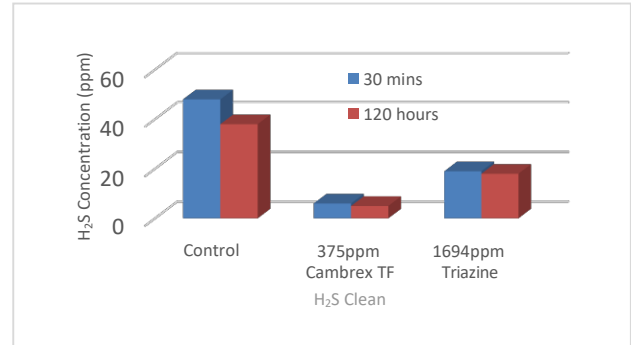
Cambrex TF – H<sub>2</sub>S Clean has very good temperature stability; there is no decomposition until temperatures exceed 150 degrees C (onset of exothermal reaction).

Cambrex TF – H<sub>2</sub>S Clean when diluted in water (pH below neutral) does not produce an increased quantity of formaldehyde as a byproduct, where MEA triazine does.

Cambrex TF – H<sub>2</sub>S Clean is readily biodegradable. This product does not need to be treated before it is discharged into waterways, whereas triazine does, because it is harmful to fish and daphnia.



Scavenging tests at 50 ppm H<sub>2</sub>S, 50 deg C, pH 5.0



Scavenging tests at 50 ppm H<sub>2</sub>S, 50 deg C, pH 7.5

### Usage

- Cambrex TF – H<sub>2</sub>S Clean consumption solely depends on sulfide content and system dynamics. Please consult your local representative for application questions regarding this product.

Material Safety Data Sheets, available from Cambrian will inform you as to further precautions required when handling this product.

### Advantages

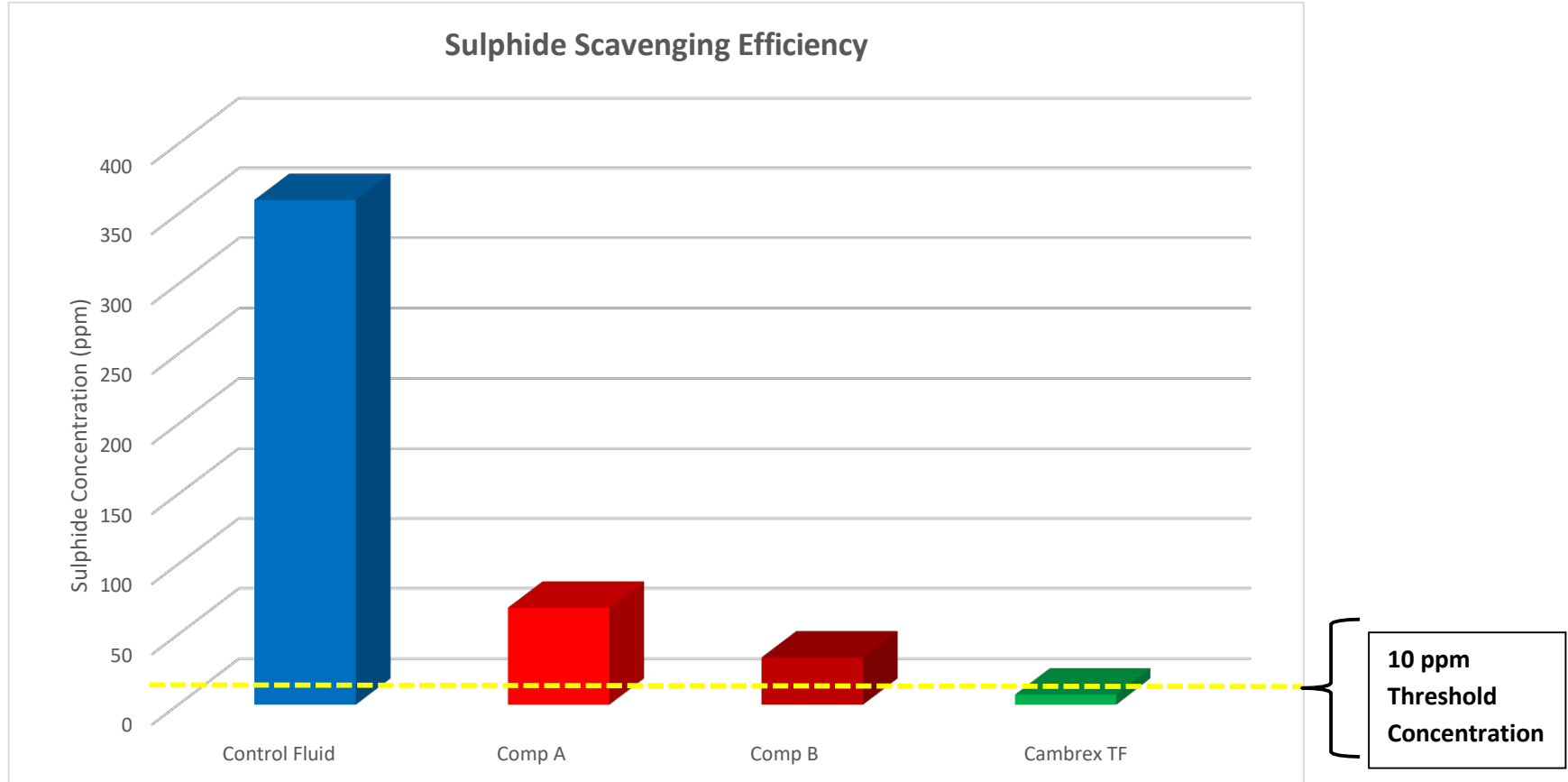
- Up to 4 times more efficient
- Freeze and temperature stable
- Effective in wide range of pH
- Biodegradable
- Nonionic so will not plate out on drilled solids

### Typical Physical Properties

Physical State	Liquid
pH	2-2.5
Pour Point	- 15C

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## Sulphide scavenging efficiency for Cambrex TF – H2S Clean versus common triazine products.



Testing was performed by adding 3.8 kg/m<sup>3</sup> sodium sulphide to water and then add the scavengers at 8.6 L/m<sup>3</sup> and mixing for 15 minutes. A GGT was run to obtain the ppm sulphides remaining. Results show that 1L/m<sup>3</sup> H2S Scav NT will treat 40ppm H2S.

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