

SULFA-CLEAR™ 8846 H₂S Scavenger

High Performing, Low Nitrogen Content H₂S Scavenger

Hydrogen sulfide (H₂S) is a toxic, corrosive gas that's encountered in the oil and gas industry. H₂S is soluble in both water and hydrocarbon and thus an optimal scavenger needs to scavenge H₂S from both. Operators are faced with several major issues when producing oil and gas containing H₂S including HSE and regulatory concerns, along with multiple operational issues. A variety of products are available for the removal of H₂S from gas and crude oil streams, the most common being triazine based H₂S scavengers.

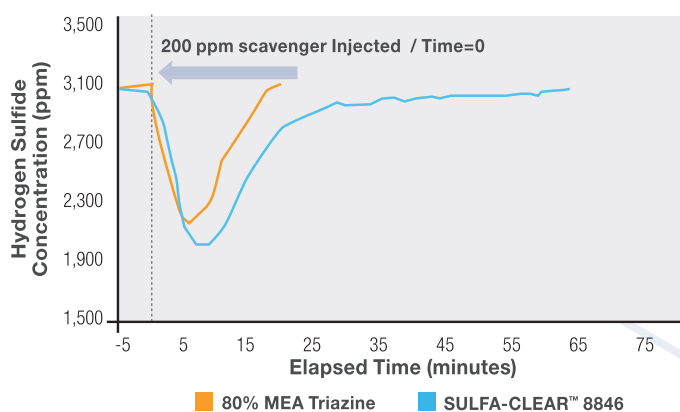
Lubrizol's SULFA-CLEAR™ 8846 hydrogen sulfide scavenger offers our customers a fast acting, higher efficiency alternative to conventional triazine. SULFA-CLEAR 8846 reduces many process issues associated with conventional triazine, increases crude value by minimizing nitrogen contamination, decreases transportation cost with lower dosage rates and exhibits a better environmental profile.

Features and Benefits

- > *SULFA-CLEAR 8846 is more efficient than traditional triazine products*
- > *SULFA-CLEAR 8846 reaction kinetics are comparable to triazine products*
- > *SULFA-CLEAR 8846 has a low nitrogen content, limiting crude contamination*
- > *H₂S reaction products are water soluble with no precipitation observed by oversaturation*
- > *Limited to no precipitation of calcium scale has been observed with SULFA-CLEAR 8846 due to the oil soluble nature of the product*
- > *SULFA-CLEAR 8846 can be applied without dilution*

Laboratory Bubble Test Results

Figure 1: H₂S Scavenger Capacity Testing Plot



Laboratory Bubble Test Results

Figure 2: H₂S Scavenger Capacity Testing Table

H ₂ S Scavenger	Maximum H ₂ S Reduction (ppm)	Total H ₂ S Consumption (ppm-cc)
80% MEA Triazine	922	705,600
SULFA-CLEAR™ 8846	1,054	1,259,175

Experiments performed at ambient pressure and 25 °C with a target flow rate of 75 cc/minute and scavenger concentration of 200 ppm.

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