

H₂S Scavenger – ATSS-1

Hydrogen sulfide often exists in the crude oil and natural gas production and transportation system. Adding H₂S scavenger is an effective method to reduce the content of hydrogen sulfide and to protect the pipeline from corrosion. ATSS-1 is a triazine derivatives with good desulfurization effect. It will reacts with hydrogen sulfide or mercaptan to form stable water-soluble compounds, reduce the concentration of hydrogen sulfide, and solve the safety and corrosion problems caused by hydrogen sulfide.

1. Technical Index

| Items | Index | |
|----------------------------|--|--|
| Appearance | Light yellow to brownish yellow transparent liquid | Light yellow to brownish yellow transparent liquid |
| Effective Content, % | ≥78 | ≥40 |
| pH | 8-10 | 8-10 |
| Density, g/cm ³ | 1.0-1.2 | 1.0-1.2 |
| Sulfur Removal Rate, % | ≥90 | ≥90 |

2. Application

- (1) For the full set of equipment protection of oil and gas wells, ATSS-1 can be added from the annular (without bottom packer) to eliminate hydrogen sulfide in the system.
- (2) For the treatment of hydrogen sulfide in the produced liquid of oil and gas wells, it can be directly added to the wellhead pipeline to absorb the hydrogen sulfide contained in the produced liquid.
- (3) Theoretically, if the hydrogen sulfide concentration of the produced liquid is 100ppm (i.e. the mass of hydrogen sulfide contained in 1 cubic meter of produced liquid is 0.1kg), 0.1kg ~ 0.6kg hydrogen sulfide absorbent needs to be added to 1 cubic meter of produced liquid.
- (4) The specific dosage can be adjusted according to the hydrogen sulfide concentration at the on-site detection point.



3. Packing, Storage and Transportation

- (1) Packed in 200kg drum or 1,000kg IBC tank, or according to customer's requirement.
- (2) Store in a cool and ventilated place.
- (3) Shelf life: 1 year.