

GAS TREATMENT

H₂S Scavenger ICH

OVERVIEW

Hydrogen sulfide scavenger ICH is an alcoholic solution of compositions based on formaldehyde, and it is designed to absorb hydrogen sulfide and other sulfur compounds in the processes of production and transportation of oil and gas

POTENTIAL APPLICATION

Hydrogen sulfide and mercaptans are the by-product of exploration and production of oil and gas fields. By its chemical nature hydrogen sulfide is deadly toxic, explosive in the gas phase, accelerates wear of the oilfield equipment. H₂S scavenger ICH is added to the stream of production fluid in order to neutralize hydrogen sulfide and mercaptans, and prevent their negative impact on production system.

Property	Value
Appearance	Uniform liquid, colorless to amber
Density at 20°C, gr/cm ³	0.95-1.10
Viscosity at 20°C, mm ² /sec	No more than 20
Freeze point, °C	Neg 30
pH value	7.5-9.5
Active content, %	Not less than 18%

FEATURES AND BENEFITS

- Large absorption capacity of hydrogen sulfide and mercaptans;
- High absorption reaction rate;
- Irreversible neutralization reaction;
- Highly soluble in oil and water;
- Produces no solid deposits or scale;
- Reduces corrosion;
- Tolerates cold weather conditions;

STORAGE AND PACKAGING

When stored in the original unopened containers, H₂S Scavenger ICH has a usable life of 12 months from the date of production. H₂S scavenger ICH is available in 200-ltr drums and 1000-ltr cubes.

LIMITS

To create high-quality oil treatment, a dedicated product selection is required for any specific field condition. Optimal level is determined through series of laboratory tests and a field trial.

