

Water Based Hydrogen Sulfide Scavenger NEOSULF EST-109

TECHNICAL INFORMATION SHEET

GENERAL INFORMATION

NEOSULF EST-109 is a state-of-the-art hydrogen sulphide scavenger specially developed to operate efficiently in both gaseous and liquid media. Its unique formulation allows the reaction of the product with H₂S to occur immediately, resulting in an inert substance, the atomic sulfur.

In addition, the exclusive **NEOSULF EST-109** formulation has been developed with environmental concerns: it is a non-environmentally aggressive product when used at the indicated concentrations, it has no extreme pH (unlike other H₂S scavengers), and the by-product of its reaction with H₂S is considered non-toxic.

Unlike other H₂S scavengers, the performance of **NEOSULF EST-109** is not affected or reduced due to the presence of CO₂ in the system. This feature is especially important in the treatment of hydrogen sulphide in systems where CO₂ is present, either as naturally occurring gas in the reservoir or in fields where CO₂ is injected as a form of advanced hydrocarbon recovery.

PHYSICAL-CHEMICAL PROPERTIES

Aspect Dark Red Liquid
Specific gravity (25°C) 1.00 – 1.05
pH 8.0 – 10.0
Water Solubility Soluble

CHEMICAL DESCRIPTION

NEOSULF EST-109 is an H₂S scavenger formulated from a blend of inorganic components combined in the exact proportion to allow maximum performance with a minimum product consumption. **NEOSULF EST-109** contains in its formulation oxidizing agents capable of reacting with the H₂S immediately, oxidizing it to atomic sulfur. **NEOSULF EST-109** is completely water soluble.

RECOMMENDED USES

NEOSULF EST-109 is especially recommended in oil and gas production systems where the presence of hydrogen sulphide gas has been detected.

SAFETY IN USE, STORAGE AND HANDLING

NEOSULF EST-109 is an alkaline product. It should be handled using the appropriate PPE: rubber gloves, apron, safety goggles and rubber boots. Avoid contact with eyes, skin and clothing as well as inhalation of vapors. In case of contact, immediately flush with running water for at least 15 minutes. If contact is with the eyes, rinse for at least 15 minutes with plenty of running water and consult a doctor.

AVAILABILITY

NEOSULF EST-109 is available in drums, bulk or in IBC containers specified by the user.