

Corrosion inhibitor for gas pipeline

P.393134

Inventors: Barbara Gaździk, Leszek Ziemiański, Iwona Skręt, Stefan Ptak, Wojciech Mazela, Ewa Zegarmistrz, Mieczysław Socha, Barbara Trzaska

The corrosion inhibitor is meant for use in the natural gas mine in systems that contain hydrogen sulphide, carbon dioxide and chlorides. It protects wellbores and pipelines from corrosion.

Specially selected liquid corrosion inhibitors create a durable protective layer on the surface of pipes and do not allow for creation of pinholes even in very aggressive corrosion environments, containing CO₂ and H₂S.

The presence of volatile corrosion inhibitors protects against corrosion in the gas phase.

The inhibitor dissolves perfectly also in deposit water. It is a mixture of corrosion inhibitors and surface active agents that are dissolved in alcohol. The inhibitor is a clear, homogenous liquid in a wide range of temperatures from -30°C to + 55°C.

The corrosion inhibitor was tested with positive results in the natural gas mine KGZ Radlin owned by PGNiG company.

