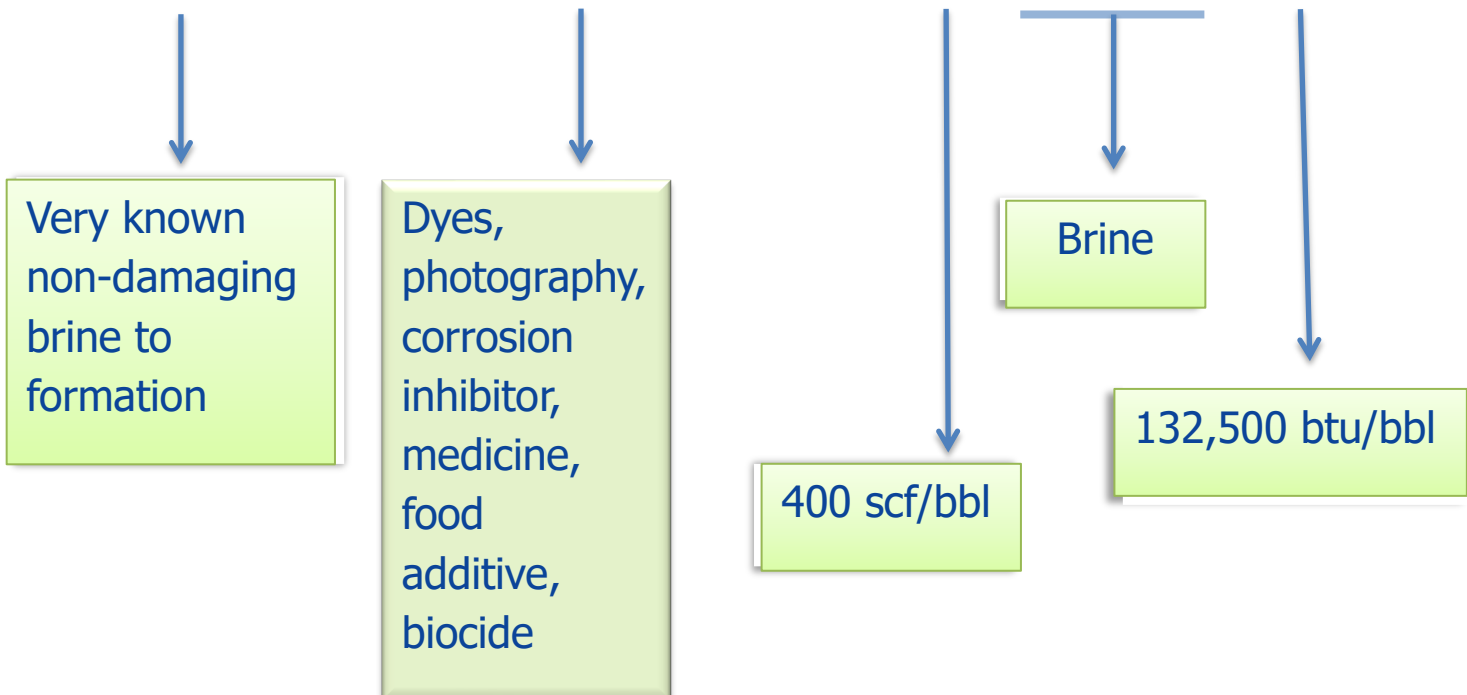


Thermal Heating Solution (THS) Technology

TECHNICAL INFORMATION SHEET

GENERAL INFORMATION

THS Technology comprises in an Exothermic Reaction:



BENEFITS

- Generate heat and Nitrogen gas in-situ
- Higher temperature (up to 500 °F) to mobilize oil
- Nitrogen to thin oil viscosity
- Prevent the formation of insoluble compounds
- Prevent the cooling effect at the formation
- Prevent emulsion formation and water blockage
- Enhance the penetration radius for the acid fluids

APPLICATIONS

SGN has multiple applications, such as: wellbore cleanup and well stimulation using in-situ heat generation and turbulence, filter cake removal when combined with organic acid, pipeline cleaning by paraffin and asphaltene removal and oil storage tank cleaning among the applications.

PHYSICAL-CHEMICAL DESCRIPTION

- THS Reagent EST-110AC is a very known brine, which is non-damaging to formation. It is composed by a nitrogen-based salt.
- THS Reagent EST-110SN is a brine used in dyes, photography, as a corrosion inhibitor and a food additive. It is composed by a nitrogen-based salt.

AVAILABILITY

THS Reagents are available in drums, bulk or in IBC containers specified by the user.

STORAGE

Store in ventilated area, humidity free, or in appropriate tanks. For further information on product safety, please refer to the MSDS (Material Safety Data Sheet).