ISS – IRON SULPHIDE SCAVENGER

ISS- IRON SULPHIDE SCAVENGER (DISSOLVER) is a concentrated solution which attacks pyrophoric iron sulfide scales, thereby eliminating the potential for exothermic reactions, fires or explosions during shut downs for maintenance. Sulfur in crude oil reacts with iron pipe and tanks to form pyrophoric iron sulfide scale inside the equipment. It has pungent smell and it is toxic. Because of safety and environmental considerations, these scales must be treated and removed periodically.

MECHANISM

When the equipment is filled with diluted **ISS- IRON SULPHIDE SCAVENGER**, it oxidizes Iron Sulfide scales to harmless products which are safe and it comes out along with spent ISS solution.

ADVANTAGES

- ✓ Being a concentrated solution, it is economical for transportation.
- ✓ No gas is generated. It reduces danger of fire/explosion.
- ✓ No undesirable and hazardous side reactions occur
- ✓ No special equipment is needed. No special materials of construction needed to handle the product.
- ✓ There is visual indication when the solution has got exhausted.
- ✓ It reduces the downtime. Results in complete removal of iron sulfide scale.
- ✓ It is safe to use. The spent solution can be discharged in normal sewage.
- ✓ It is economical and results in cost saving.

PROPERTIES

Type	:	Solution of inorganic compounds
Color	:	Dark purple solution
Specific Gravity	:	1.16 +/- 0.02 at 25 ^{o}C
Solubility	:	Soluble in water

DIRECTION OF USE

- **ISS- IRON SULPHIDE SCAVENGER** is concentrated and it has to be diluted in sour water/ fresh water. Dosage is only 0.5% - 5% of the total water volume in the equipment.
- The diluted solution is circulated or agitated depending on process design.
- Control is visual. As the solution turns from purple to brown in color, **ISS- IRON SULPHIDE SCAVENGER** is being used up. The spent solution can be discharged directly to the sanitary sewer.

PACKING & STORAGE

ISS- IRON SULPHIDE SCAVENGER is packed 208 Liters (55 gallons) in HDPE drums.

STORAGE

ISS- IRON SULPHIDE SCAVENGER should be stored cool, dry and frost free area away from extreme heat. For best result, use it within one year.