

# SARVAMANGAL ENTERPRISE

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## PRODUCT DATA SHEET SURFACTANT (SE-SURF 3011)

- **PRODUCT DESCRIPTION:**

**SE-SURF 3011** is a liquid formulation of Surface Active Agent specifically developed for Well Stimulation Jobs.

- **APPLICATION:**

**SE-SURF 3011** is specifically developed to reduce surface tension for various acids, water fracturing fluids and acid additives during Acid Jobs. It effectively reduces surface tensions with low dosage rates.

**SE-SURF 3011** is compatible with all Acid Additives and Fracturing Fluids of Well Stimulation.

**Dose:** From the field experience, standard range of Dose Rates is 200-250 PPM.

- **PHYSICAL PROPERTIES:**

|                 |                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|
| Appearance      | Colourless Homogenous Liquid                                                                                              |
| pH              | 5.0 – 8.0                                                                                                                 |
| Viscosity       | < 100 CPS @ 25° C                                                                                                         |
| Density         | 1.00 ± 0.03 gm/ml @ 25° C                                                                                                 |
| Solubility      | Soluble in Water                                                                                                          |
| Pour Point      | Less than 0° C                                                                                                            |
| Ionic Charge    | Nonionic                                                                                                                  |
| Surface Tension | Surface Tension of 15% (w/w) Hydrochloric Acid can be reduced up to <b>35 dynes/cm</b> at Dosage of 200 - 250 ppm @ 25° C |

- **HANDLING:**

**SE-SURF 3011** shall be stored in closed containers away from direct sunlight at ambient temperature. During handling, direct contact with human body is to be avoided. Safety goggles and gloves are recommended for safe handling. The spillage can be handled with dry absorbent like sand, sawdust, etc. On ingestion / eye contact with the product, medical attention should be sought immediately.

- **PACKING:**

**SE-SURF 3011** is available in 200 Liter HM/HDPE Barrels or as per Customer's requirement.