



HP NEUTMAX

A Novel Neutralizing Amine Formulation for Overhead Corrosion

Description:

Corrosion in the overhead system of the crude distillation unit (CDU) is caused by hydrogen chloride (HCl) produced by hydrolysis of chloride salts found in crude oil. To mitigate the corrosion caused by HCl gas, neutralizing amines are dosed at overhead section of the CDU.

HPGRDC has developed a novel cost effective neutralizing amine formulation by keeping the key parameters in view such as, (i) Neutralizing ability, (ii) Solubility and (iii) Corrosion rate. The novel proton sponge concept has been used for developed for the neutralizing amine formulations.

Advantages:

Superior performance. 23% reduction in dosage compared to commercially available products.

Applications:

CDU of Petroleum and Petrochemical Refineries