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ACTION

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(54) Title: METHOD OF REMOVAL OF CARBONYL COMPOUNDS ALONG WITH ACID GASES FROM CRACKED GAS IN ETHYLENE PROCESS

(57) Abstract: A method for inhibiting and dissolving polymeric deposits on the internal surfaces of a caustic wash unit system in a hydrocarbon cracking process wherein said deposits result from polymerization of at least one component contained within a feed stream of said caustic wash unit system. The method comprises the step of introducing into said stream an effective amount of a compound selected from a group consisting of alkali metal salts of oxo acids of sulfur, alkali metal salts of acids of lactam, alkali metal salts of acids of sultam, alkali metal salts of amino acids, alkaline earth metal salts of acids of sultam, alkaline earth metal salts of amino acids, lactam, sultam, amino acids, and combinations thereof, wherein said effective amount inhibits polymerization and dissolves said deposits.