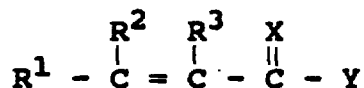


ABSTRACT

IMPROVED DISPERSANT ADDITIVES DERIVED
FROM AMIDO-AMINE ADDUCTS

The present invention is directed to a lactone modified dispersant additive comprising at least one adduct of (A) a polyolefin of 300 to 10,000 number average molecular weight substituted with at least 0.3 (e.g., from about 1 to 4) dicarboxylic acid producing moieties (preferably acid or anhydride moieties) per polyolefin molecule, (B) an amido-amine or thioamido-amine characterized by being a reaction product of at least a polyamine and an alpha, beta-unsaturated compound of the formula:



wherein X is sulfur or oxygen, Y is $-\text{OR}^4$, $-\text{SR}^4$, or $-\text{NR}^4(\text{R}^5)$, and R^1 , R^2 , R^3 , R^4 and R^5 are the same or different and are hydrogen or substituted or unsubstituted hydrocarbyl, and a $\text{C}_5 - \text{C}_9$ lactone material.