

## Title (en)

Compositions containing thiocarbonates and acylated-nitrogen containing compounds

## Title (de)

Zusammensetzungen mit Thiokarbonaten und acylierten stickstoffenthaltenden Verbindungen

## Title (fr)

Compositions contenant des thiocarbonates et des composés d'azote acylés

## Publication

**EP 0825247 A2 19980225 (EN)**

## Application

**EP 97306374 A 19970821**

## Priority

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## Abstract (en)

This invention relates to a composition, comprising: (A) a compound represented by the formula <CHEM> wherein in Formula (A-I): R<1>, R<2> and R<3> are independently hydrogen or hydrocarbyl groups; X is O or S; n is zero, 1 or 2; and T is a hydrocarbyl group, a hetero group, a hydroxyhydrocarbyl group, or an activating group; with the proviso that when n is zero, T can be a metal, and when n is 2, each R<2> and R<3> can be the same or different; and (B) an acylated nitrogen-containing compound having a substituent of at least about 10 carbon atoms. In one embodiment, the inventive composition further comprises (C) a phosphorus compound. In one embodiment, the inventive composition further comprises (D) an organic sulfide. In one embodiment, the inventive composition further comprises (E) a heterocyclic compound. In one embodiment, the inventive composition further comprises (F) a thiocarbamate. In one embodiment, the invention relates to a process comprising mixing the foregoing components (A) and (B) with an oil of lubricating viscosity, and, optionally, one or more of the foregoing components (C), (D), (E) and/or (F). The inventive compositions are useful in formulating lubricating compositions and functional fluids characterized by enhanced antiwear properties.

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## IPC 8 full level

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