

# Microbial Activity in Industrial Cutting Emulsions in the Tropical Environment

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## Abstract

Bacterial strains were isolated from in-use metal cutting fluids from 5 locations in Nigeria. They were identified as species of *Bacillus*, *Proteus*, *Enterobacter*, *Lactobacillus*, *Corynebacterium*, *Chromobacterium* and *Pseudomonas*. *Chromobacterium* spp had the highest potential of utilizing the cutting fluid while *Pseudomonas* spp had the highest growth potential with n-dodecane. These isolates appeared to be the bacteria that pioneer the deterioration of metal cutting fluids in this environment.

**Keywords:** Bacteria, *Pseudomonas*

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