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**Preparation, Characterization and Application of Some Anti-Corrosive
Molybdate Pigments**

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Some molybdate pigments of single and mixed metal ions, namely, zinc, calcium and zinc-calcium molybdates were prepared, characterized and evaluated according to international standard methods. The evaluated pigments were incorporated in some paint formulations. The physicomechanical, chemical and corrosion protective properties of the paint films were measured; this was done in comparison with a commercial imported molybdate pigment. It was found that, the prepared pigments under investigation are fine white crystalline powders of suitable pigmentary properties. They can be successfully used as environmentally acceptable anticorrosive pigments. They can replace satisfactorily the similar commercial imported pigment and possess adequate or superior properties against corrosion.