

# TECHNOLOGY AVAILABLE FOR LICENSING

UNIVERSITY of



DAYTON

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## Non-toxic Corrosion Protection Conversion Coats

### Advantages:

- Chrome Free
- Non-toxic
- Pigments available in many colors
- Works well in multiple applications

### Applications:

- Protection of metal and other surfaces from corrosion equal to chrome
- Any application where chrome cannot be used to protect metals
- Easy application and use

### Description:

The invention is an aqueous conversion coating composition for treating steel substrates to provide a conversion coating that protects the steel from corrosion. The conversion coating composition comprises: a) a source of aluminum ions; b) hexafluorozirconic acid or its salts; c) at least one pH adjuster; and d) optionally, a surfactant. The conversion coating composition provides a corrosion resistant coating on the metal surface and improves the adhesion of subsequently applied layers.

### IP Status:

<https://www.google.com/patents/US7294211>

<https://www.google.com/patents/US7407711>

<https://www.google.com/patents/US7235142>

<https://www.google.com/patents/US7422793>

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