Methylene chloride is a widely used component for paint stripping products. However, methylene chloride is highly toxic to human health. Several commercially available products do not contain methylene chloride, however, their paint stripping performance is significantly below that of methylene chloride, and the replacement chemicals, such as N-Methyl-2-Pyrrolidone (NMP), introduce other environmental, health, and safety hazards. Several alternative formulations have been identified and evaluated that have equal or better paint stripping performance and do not introduce any significant environmental, health, and safety hazards.