CLAIMS

1. A fuel additive composition comprising a dispersion and a detergent comprising a quaternary ammonia salt, said dispersion comprising:
   - an organic phase;
   - at least one amphiphilic agent, and
   - solid objects dispersed in the organic phase, in the form of individualized particles or particle aggregates, consisting of an iron compound in crystallized form, such that said particles have an average size $\overline{D}_{XRD}$ of less than or equal to 12 nm as measured by X-ray diffraction.

2. The composition according to claim 1, further comprising an oxygenated detergent additive.

3. The composition according to any of claims 1 or 2, wherein the quaternary ammonia salt comprises the reaction product:
   (i) of at least one compound which may comprise:
      (a) the condensation product of an acylation agent with hydrocarbon substitution and of a compound comprising an oxygen or nitrogen atom capable of condensing the acylation agent, the condensation product having at least one tertiary amine function;
      (b) and amine with polyalkene substitution comprising at least one tertiary amine function; and
      (c) a Mannich reaction product comprising at least one tertiary amine function, the Mannich reaction product being derived from a phenol with hydrocarbon substitution, from an aldehyde and from an amine; and
   (ii) of a suitable quaternization agent for converting the tertiary amine function of the compound (i) into a quaternary nitrogen.

4. The composition according to any of claims 1 or 2, wherein the quaternary ammonium salt comprises the product of the reaction:
   (i) of the condensation product of an acylation agent with hydrocarbon substitution and of a compound comprising an oxygen or nitrogen atom capable of fusing the acylation agent, the condensation product having at least one tertiary amine function; and