Claims:

1. A hydrogen sulfide scavenging additive composition for scavenging hydrogen sulfide in hydrocarbon comprising sulfur containing compounds, wherein said additive composition comprises at least a combination of:
   (a) glyoxal; and
   (b) at least one aliphatic tertiary amine or at least one oxide treated derivative of an aliphatic tertiary amine, or a mixture thereof;

   wherein the aliphatic tertiary amine and oxide treated derivative thereof is selected from the group comprising:
   (i) tri-isopropanolamine (TIPA);
   (ii) N,N,N´,N´-Tetrakis (2-hydroxyethyl) ethylene-diamine (THEED);
   (iii) N,N,N',N' tetrakis (2-hydroxypropyl) ethylene-diamine;
   (iv) ethylene oxide (EO) derivative of tri-isopropanolamine (EO-TIPA);
   (v) propylene oxide (PO) derivative of tri-isopropanolamine (PO-TIPA);
   (vi) ethylene oxide (EO) derivative of triethanolamine (EO-TEA);
   (vii) propylene oxide (PO) derivative of triethanolamine (PO-TEA); and
   (viii) a mixture thereof; and

   wherein the composition does not comprise:
   i) triethanolamine (TEA);
   ii) monoethanolamine (MEA);
   iii) diethanolamine (DEA); and
   iv) tetraethylenepentaamine (TEPA).
2. The additive composition as claimed in **Claim 1**, wherein the hydrocarbon comprises hydrocarbon stream including crude oil, fuel oil, sour gas, asphalts and refined products contained in storage tanks, vessels, and pipelines.
3. The additive composition as claimed in **Claim 1 or Claim 2**, wherein the sulfur containing compounds include hydrogen sulfide, mercaptans, or a mixture thereof.
4. A composition, wherein the composition comprises:
   (a) a hydrocarbon comprising hydrocarbon stream including crude oil, fuel oil, sour gas, asphalts and refined products contained in storage tanks, vessels, and pipelines; and

(b) a hydrogen sulfide scavenging additive composition for scavenging hydrogen sulfide in hydrocarbon comprising sulfur containing compounds;

wherein the hydrogen sulfide scavenging additive composition comprises at least a combination of:

(A) glyoxal; and

(B) at least one aliphatic tertiary amine or oxide treated derivative thereof, or a mixture of the aliphatic tertiary amine and oxide treated derivative thereof;

wherein the aliphatic tertiary amine or the oxide treated derivative thereof is as claimed in any one of the preceding **claims 1 to 3**.

5. A method for scavenging hydrogen sulphide in hydrocarbon comprising sulfur containing compounds, wherein the method comprises contacting the hydrocarbon with the hydrogen sulfide scavenging additive composition, wherein the hydrogen sulfide scavenging additive composition is as claimed in any one of the preceding **claims 1 to 3**.

6. A method of using the hydrogen sulfide scavenging additive composition for scavenging hydrogen sulphide in hydrocarbon comprising sulfur containing compounds, wherein the method comprises adding to the hydrocarbon the hydrogen sulfide scavenging additive composition as claimed in any one of the preceding **claims 1 to 3**.