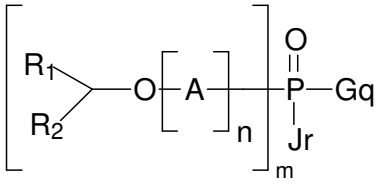
- J denotes the group –O-[E]$_s$-R$_6$,

in which R$_6$ represents a group chosen from a hydrogen atom or a linear, branched or cyclic, saturated or unsaturated hydrocarbon-based group, comprising from 1 to 30 carbon atoms, E represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof, and s denotes an integer ranging from 0 to 100,

- m denotes an integer ranging from 1 to 3,
- q and r denote integers ranging from 0 to 2,

it being understood that m + q + r = 3.

**[0013a]** In an aspect, there is provided a compound of formula (I) below~~, and also the addition salts thereof with an organic or mineral base, the solvates, and mixtures thereof~~:




(I),

in which:

- the group formed by R$_1$, R$_2$ and the carbon atom to which R$_1$ and R$_2$ are attached is chosen from the 2-octyl radical and the 4-methyl-2-pentyl radical, more particularly the 2-octyl radical,
- n is an integer between, limits inclusive, 1 and 100, preferably between 2 and 100, more preferably between 3 and 100, more particularly between 5 and 100 and very preferably between 10 and 100,
- A represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof,
- G denotes the group -O-[B]$_p$-R$_5$,

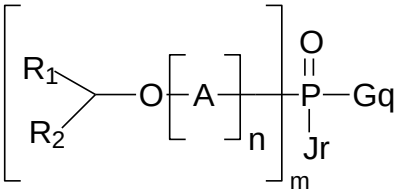
in which R$_5$ represents a group chosen from a hydrogen atom or a linear, branched or cyclic, saturated or unsaturated hydrocarbon-based group, comprising from 1 to 30 carbon atoms, B represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof, and p denotes an integer ranging from 0 to 100,

- J denotes the group –O-[E]$_s$-R$_6$,

in which R$_6$ represents a group chosen from a hydrogen atom or a linear, branched or cyclic, saturated or unsaturated hydrocarbon-based group, comprising from 1 to 30 carbon atoms, E represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof, and s denotes an integer ranging from 0 to 100,

## CLAIMS

**1.** A compound of formula (I) below~~, and also the addition salts thereof with an organic or mineral base, the solvates, and mixtures thereof~~:




(I),

in which:

- the group formed by $R_1$, $R_2$ and the carbon atom to which $R_1$ and $R_2$ are attached is chosen from the 2-octyl radical and the 4-methyl-2-pentyl radical, more particularly the 2-octyl radical,
- n is an integer between, limits inclusive, 1 and 100, preferably between 2 and 100, more preferably between 3 and 100, more particularly between 5 and 100 and very preferably between 10 and 100,
- A represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof,
- G denotes the group $-O-[B]_p-R_5$,

in which $R_5$ represents a group chosen from a hydrogen atom or a linear, branched or cyclic, saturated or unsaturated hydrocarbon-based group, comprising from 1 to 30 carbon atoms, B represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof, and p denotes an integer ranging from 0 to 100,

- J denotes the group $–O-[E]_s-R_6$,

in which $R_6$ represents a group chosen from a hydrogen atom or a linear, branched or cyclic, saturated or unsaturated hydrocarbon-based group, comprising from 1 to 30 carbon atoms, E represents a sequence of one or more units chosen from ethylene oxide, propylene oxide and butylene oxide units, and mixtures thereof, and s denotes an integer ranging from 0 to 100,

- m denotes an integer ranging from 1 to 3,
- q and r denote integers ranging from 0 to 2,

it being understood that m + q + r = 3.

**2.** The compound as claimed in claim 1, characterized in that n is between, limits inclusive, 1 and 75, preferably between 2 and 75, more preferably between 3 and 75, more particularly between 5 and 75 and very preferably between 10 and 75.

**3.** The compound as claimed in any one of the preceding claims, characterized in that p and s, independently of each other, are between, limits inclusive, 0 and 75, preferably between 1 and 75, more preferentially between 2 and 75, more preferably between 3 and 75, more particularly between 5 and 75 and very preferably between 10 and 75.

**4.** The compound as claimed in any one of the preceding claims, characterized in that it is in ammonium salt form or in organic amine salt form, the organic amine being chosen from alkylamines, alkyldiamines, cycloalkylamines, alkylamido(poly)amines, aromatic amines and alkanolamines, said amines possibly being primary, secondary or tertiary, and also possibly being alkoxylated, and also from heterocyclic amines, urea, and also mixtures thereof.

**5.** The compound as claimed in any one of claims 1 to 4, characterized in that it is in the form of an inorganic salt chosen from the elements from column 1 of the Periodic Table of the Elements (alkali metals); the elements from column 2 of the Periodic Table of the Elements (alkaline-earth metals), the elements from columns 3 to 12 of the Periodic Table of the Elements (transition metals), the elements from column 13 of the Periodic Table of the Elements, rare earths (lanthanides and actinides), and mixtures thereof.

**6.** The use of the compound of formula (I) and salts thereof, alone or as a mixture, as defined in any one of claims 1 to 5, as surfactant, low-foaming surfactant, wetting agent, foaming agent, hydrotrope, detergent, solvent, reactive solvent, coalescer, compatibilizer, emulsifying agent, dispersant, chemical intermediary, corrosion inhibitor, demulcent, plasticizer, sequestrant, mineral deposition inhibitor, ionic liquid, stabilizer, lubricant, bitumen additive, deinking additive, oil gellant, ore flotation collector, processing aid in the manufacture of plastics, antistatic agent, fertilizer coating additive, for plant protection, for treating textiles and for enhanced oil recovery, for the production of electrodes and electrolytes for batteries.

**7.** A composition comprising at least one compound of formula (I) and/or a salt thereof, alone or as a mixture, as defined in any one of claims 1 to 5, with one or more

aqueous, organic or aqueous-organic solvents, and optionally one or more additives and fillers.