

FORM 2

**THE PATENTS ACT, 1970
(39 of 1970)
AND
THE PATENTS RULES, 2003**

**COMPLETE
SPECIFICATION**

(See Section 10; rule 13)

TITLE OF THE INVENTION

“LIQUID STABILIZER MIXTURES”

APPLICANT

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The following specification particularly describes
the invention and the manner in which
it is to be performed

Claims

1. A process for forming a stable liquid blend of

- a) pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate,
- b) octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate and
- c) tris-(2,4-di-tert-butylphenyl)phosphite,

which process comprises preparing a solid mixture comprising about 2 parts to about 3 parts by weight a), about 2 parts to about 3 parts by weight b) and about 2 parts to about 12 parts by weight c), heating the mixture to 185°C or higher for a sufficient time to obtain a clear liquid blend of a), b) and c), cooling the liquid blend to a temperature of from 90°C to 140°C and maintaining the liquid blend at a temperature of from 90°C to 140°C,

where the liquid blend of a), b) and c) is stable at the temperature at which it is maintained for greater than 120 hours.

2. A process according to claim 1 which comprises preparing a solid mixture comprising about 5 parts to about 11 parts by weight c).

3. A process according to claim 1 which comprises preparing a solid mixture comprising about 8 parts to about 11 parts by weight c).

4. A process according to claim 1 where the liquid blend of a), b) and c) is maintained a temperature of from 90°C to 125°C.

5. A process according to claim 1 where the liquid blend of a), b) and c) is maintained a temperature of from 90°C to 110°C.

6. A process for forming a stable liquid blend of

- a) pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate,
- b) octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate and
- c) tris-(2,4-di-tert-butylphenyl)phosphite,

which process comprises preparing a solid mixture comprising about 2 parts to about 3 parts by weight a) and about 2 parts to about 3 parts by weight b), heating the mixture to 90°C or higher for a sufficient time to obtain a clear liquid mixture of a) and b), adding about 2 parts to about 12 parts by weight c) thereto to obtain a clear liquid blend of a), b) and c) and maintaining the liquid blend at a temperature of from 90°C to 140°C,

where the liquid blend of a), b) and c) is stable at the temperature at which it is maintained for greater than 120 hours.

7. A process according to claim 6 which comprises adding about 5 to about 11 parts by weight c) to the liquid mixture of a) and b).

8. A process according to claim 6 which comprises adding about 8 to about 11 parts by weight c) to the liquid mixture of a) and b).

9. A process according to claim 6 where the liquid blend of a), b) and c) is maintained at a temperature from 90°C to 125°C.

10. A process according to claim 6 where the liquid blend of a), b) and c) is maintained at a temperature from 90°C to 110°C.

Dated this 07 day of April 2014