SUMMARY OF THE ~~INVENTION~~DISCLOSURE

[Problems to be Solved]

[0007]

In the deoxidant composed of a low molecular weight phenolic compound disclosed in Patent Document 1 as a main component, the surface of a permeable inner package may cause so-called "penetration", showing a deep color as if the liquid had penetrated through. The phenomenon may spoil the appearance and concerns customer about the safety, one of a problem in the practical use. With respect to a deoxidant disclosed in Patent Document 2, control factors in a manufacturing process increases and it increases loss in manufacturing, because granulation of a support is required to prepare a deoxidant excellent in fluidizing ability and filling and packaging properties.

[0008]

So, the present applicant has proposed organic deoxidants in Patent Documents 3 and 4 as a deoxidant that is not detected by a metal detector. However, in the organic deoxidants disclosed in Patent Documents 3 and 4, the raw material powder tends to scatter when the raw materials constituting the deoxidant are mixed, and the fluidizing ability of the main component is too poor not to increase the manufacturing efficiency and increase the manufacturing cost of the organic deoxidant. So, the improvement has been required.

[0009]

Therefore, an object of the present ~~invention~~disclosure is to provide an organic deoxidant of which deoxidizing performance and the manufacturing efficiency are further improved through

investigation on the raw materials constituting the organic deoxidant.

[0009a]

In a first aspect, there is provided an organic deoxidant comprising an organic substance easily oxidized as a main component; an alkaline agent; and water;

characterized in that the alkaline agent is composed of calcium hydroxide and 5 parts by weight to 50 parts by weight of calcium carbonate with respect to 100 parts by weight of calcium hydroxide, and

the content of the alkaline agent is 20 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[0009b]

In a second aspect, there is provided a packaged deoxidant, comprising the organic deoxidant as defined above packaged in an oxygen permeable packaging material.

MEANS TO SOLVE THE PROBLEM

[0010]

Therefore, the present inventors further studied on the constituent materials for an organic deoxidant and the above object was achieved by adopting an organic deoxidant described below.

[0011]

An organic deoxidant according to the present invention is an organic deoxidant comprising an organic substance easily oxidized as a main component, an alkaline agent and water characterized in that calcium hydroxide and calcium carbonate are used as the alkaline agent, and the content of the alkaline agent is 20 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[0012]

In the organic deoxidant according to the present invention, the organic substance easily oxidized is more preferable to be tannin or tannic acid.

[0013]

In the organic deoxidant according to the present invention, the content of the water is more preferable to be 10 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[0014]

In the organic deoxidant according to the present invention, the content of a catalyst is more preferable to be

CLAIMS

[Claim 1]

An organic deoxidant comprising an organic substance easily oxidized as a main component; an alkaline agent; and water;

characterized in that calcium hydroxide and calcium carbonate are used as the alkaline agent, and

the content of the alkaline agent is 20 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[Claim 2]

The organic deoxidant according to claim 1, wherein the organic substance easily oxidized is tannin or tannic acid.

[Claim 3]

The organic deoxidant according to claim 1 or claim 2, wherein the content of the water is 10 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[Claim 4]

The organic deoxidant according to any one of claim 1 to claim 3, wherein the content of a catalyst is 15 parts by weight or less with respect to 100 parts by weight of the main component.

[Claim 5]

The organic deoxidant according to any one of claim 1 to claim 4, wherein the pH prepared by mixing the raw materials is 9 to 12.

[Claim 6]

A packaged deoxidant, comprising the organic deoxidant

according to any one of claim 1 to claim 5 packaged in an oxygen permeable packaging material.

CLAIMS

[Claim 1]

An organic deoxidant comprising an organic substance easily oxidized as a main component; an alkaline agent; and water;

characterized in that the alkaline agent is composed of calcium hydroxide and 5 parts by weight to 50 parts by weight of calcium carbonate with respect to 100 parts by weight of calcium hydroxide, and

the content of the alkaline agent is 20 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[Claim 2]

The organic deoxidant according to claim 1, wherein the organic substance easily oxidized is tannin or tannic acid.

[Claim 3]

The organic deoxidant according to claim 1 or claim 2, wherein the content of the water is 10 parts by weight to 200 parts by weight with respect to 100 parts by weight of the main component.

[Claim 4]

The organic deoxidant according to any one of claim 1 to claim 3, wherein the content of a catalyst is 15 parts by weight or less with respect to 100 parts by weight of the main component.

[Claim 5]

The organic deoxidant according to any one of claim 1 to claim 4, wherein pH after mixing the raw materials is 9 to 12.

[Claim 6]

A packaged deoxidant, comprising the organic deoxidant according to any one of claim 1 to claim 5 packaged in an oxygen permeable packaging material.