CLAIMS

WHAT IS CLAIMED IS:

1. A package for inhibiting or preventing growth of microbes and/or for killing microbes in a closed container having a product located therein, the package comprising:

a container, comprising:

a base;

a top opening;

one or more sidewalls extending in a vertical direction from the base to the top opening;

an interior space formed by the one or more sidewalls;

a headspace formed by the interior space that is not occupied by the product; and

a cover to close and/or seal the container;

at least one entrained polymer article located within the interior space, comprising:

a monolithic material, comprising:

a base polymer; and

an antimicrobial releasing agent capable of releasing a released antimicrobial gas; and

a selected material present in the interior space to activate the release of the released antimicrobial gas.

2. The package of claim 1, wherein the monolithic material comprises a channeling agent.

3. The package of claim 1, wherein the antimicrobial releasing agent releases chlorine dioxide gas and wherein the selected material is moisture.

4. The package of any of claims 1 to 3, wherein the at least one entrained polymer article is a film, the film optionally having a thickness of from 0.1 mm to 1.0 mm, preferably from 0.2 mm to 0.6 mm, optionally about 0.3 mm, the film being disposed on, optionally permanently secured to, at least one sidewall, the at least one sidewall having a sidewall midline that is equidistant from the base and the opening, the film having a film midline that is equidistant from a top edge and a bottom edge of the film, wherein the film midline is located at least as high as the sidewall midline.