CLAIMS

What is claimed is:

1. A fluid dispensing cartridge (50) for a personal care appliance comprising:

a fluid applicator (56) having a guard (57) and a baffle (74) extending transverse to the guard, the baffle having a rear wall (78) and an opposing resilient front flap (76), the baffle defining at least one outlet port (81), wherein the resilient front flap contacts a portion of the rear wall covering the outlet port in a first position and is spaced apart from the portion in a second position to facilitate fluid to flow from the outlet port toward the guard of the fluid applicator.

2. The fluid dispensing cartridge according to claim 1 further comprising a cartridge housing (54) having a cap (84), a guard (82), and at least one blade (83) with a blade edge (85) between the cap and the guard.

3. The fluid dispensing cartridge according to claim 2 wherein the guard (57) of the fluid applicator is mounted to the cartridge housing.

4. The fluid dispensing cartridge according to any one of the preceding claims wherein the portion of the rear wall comprises a plurality of spaced apart projections (58) defining a plurality of channels (59) extending transverse to the blade edge.

5. The fluid dispensing cartridge according to claim 4 wherein the resilient front flap is spaced apart from the channels in the first and second positions.

6. The fluid dispensing cartridge according to any one of the preceding claims wherein the front flap is spaced apart from a portion a rear wall of the baffle to define an elongated recess (80).

7. The fluid dispensing cartridge according to claim 6 wherein the outlet port is located within the elongated recess.

8. The fluid dispensing cartridge according to any one of the preceding claims wherein the resilient front flap is separable from the rear wall to allow the passage of fluid.

9. The fluid dispensing cartridge according to any one of the preceding claims wherein the fluid applicator comprises a material having a Shore A hardness of 20 to 90.

10. The fluid dispensing cartridge according to any one of the preceding claims wherein the resilient front flap has a thickness of 0.3mm to 1.0mm.

11. The fluid dispensing cartridge according to any one of the preceding claims further comprising a fluid interconnect member (52) joined to the fluid applicator, wherein the fluid interconnect member and fluid applicator are in fluid communication.

12. The fluid dispensing cartridge according to claim 11 wherein the outlet port is located within an elongated recess between a rear wall and the resilient front flap.

13. The fluid dispensing cartridge according to any one of the preceding claims wherein the fluid interconnector has one end configured for mechanical and fluid connection to a handle.

14. The fluid dispensing cartridge according to any one of the preceding claims wherein the guard of the fluid applicator comprises a plurality of spaced apart projections (58) defining a plurality of channels (59) extending transverse to the blade edge.

15. The fluid dispensing cartridge according to claim 14 wherein the projections and the channels extend from the guard of the fluid applicator to an upper portion (73) of the rear wall.

CLAIMS

What is claimed is:

1. A fluid dispensing shaving razor cartridge comprising:

a cartridge housing having a guard, a cap, and at least one blade between the cap and the guard, the at least one blade having a cutting edge; and

a fluid applicator comprising a baffle with a rear wall and an opposing resilient front flap, the baffle defining at least one outlet port, wherein the resilient front flap contacts a portion of the rear wall in a first position and is spaced apart from the portion of the rear wall in a second position and an applicator guard arranged behind the baffle and between the baffle and the blade, wherein the applicator guard comprises a plurality of ribs defining a plurality of open channels arranged transverse to the at least one blade.

2. The fluid dispensing cartridge for a personal care appliance of claim 1wherein the portion of the rear wall comprises a plurality of spaced apart projections defining a plurality of channels extending transverse to the blade edge.

3. The fluid dispensing cartridge for a personal care appliance of claim 2wherein the resilient front flap is spaced apart from the channels in the first and second positions.

4. The fluid dispensing cartridge for a personal care appliance of claim 1wherein the front flap is spaced apart from a portion a rear wall of the baffle to define an elongated recess.

5. The fluid dispensing cartridge for a personal care appliance of claim 4wherein the outlet port is located within the elongated recess.

6. The fluid dispensing cartridge for a personal care appliance of claim 1wherein the resilient front flap is separable from the rear wall to allow the passage of fluid.

7. The fluid dispensing cartridge for a personal care appliance of claim 1wherein the fluid applicator comprises a material having a Shore A hardness of about 20 to about 90.

8. The fluid dispensing cartridge for a personal care appliance of claim 1wherein the resilient front flap has a thickness of about 0.3 mm to about 1.0 mm.

9. The fluid dispensing shaving razor cartridge of claim 1 further comprising a fluid interconnect member joined to the fluid applicator, wherein the fluid interconnect member and fluid applicator are in fluid communication.

10. The fluid dispensing shaving razor cartridge of claim 9 wherein the cartridge housing is pivotably mounted to the fluid interconnect member.

11. A fluid dispensing shaving razor cartridge comprising

a cartridge housing having a guard, a cap, and at least one blade between the cap and the guard, the at least one blade having a cutting edge;

a fluid interconnector having one end configured for mechanical and fluid connection to a handle and an opposing end pivotably mounted to the cartridge housing; and

a fluid applicator mounted to the cartridge housing, the fluid applicator having a baffle with a resilient front flap, the baffle defining at least one outlet port in fluid communication with the fluid interconnector, wherein the resilient front flap covers the outlet port to control the release of fluid and an applicator guard arranged behind the baffle and between the baffle and the blade, wherein the applicator guard comprises a plurality of ribs defining a plurality of open channels arranged transverse to the at least one blade.

12. The fluid dispensing shaving razor cartridge of claim 11 wherein the resilient front flap has a closed position and an open position wherein the resilient front flap contacts a rear wall of the baffle in the closed position and the resilient front flap is spaced apart from the rear wall of the baffle in the open position facilitating fluid to flow from the outlet port.

13. The fluid dispensing shaving razor cartridge of claim 12 wherein the resilient front flap has a thickness of about 0.3 mm to about 1.0 mm.