CLAIMS

Claim 1

An absorbent article comprising a liquid-permeable top sheet, a liquid-impermeable back sheet and an absorbent body between the liquid-permeable top sheet and the liquid-impermeable back sheet,

wherein the liquid-permeable top sheet is a spunbond nonwoven fabric or an SMS nonwoven fabric and has a thickness of 0.10 to 0.30 mm and a basis weight of 5 to 30 g/m² in the excretory opening contact region,

the liquid-permeable top sheet includes a blood modifying agent on the skin contact surface of the excretory opening contact region, and

the blood modifying agent is a polyoxypropylene glycol-based compound having a water holding percentage of 1.5 to 40.0 mass%.

Claim 2

The absorbent article according to claim 1, wherein the blood modifying agent is selected from the group consisting of the following (A) to (E), and any combination thereof:

(A) polyoxypropylene glycol,

(B) a mono or diether of (B1) polyoxypropylene glycol and (B2) a compound having a hydrocarbon moiety and one hydroxyl group substituting for a hydrogen of the hydrocarbon moiety.

(C) a mono or diester of (C1) polyoxypropylene glycol and (C2) a compound having a hydrocarbon moiety and one carboxyl group substituting for a hydrogen of the hydrocarbon moiety,

(D) a compound produced by addition of (D2) one or more propylene oxides to (D1) a compound having a hydrocarbon moiety and 2-6 hydroxyl groups substituting for hydrogens of the hydrocarbon moiety or dehydrating condensate thereof, and

(E) a compound produced by addition of (E2) one or more propylene oxides to (E1) an aliphatic amide, aliphatic amine or alkylglucose.

Claim 3

The absorbent article according to claim 1, wherein the blood modifying agent I selected from the group consisting of the following (A) to (E), and any combination thereof:

(A) polyoxypropylene glycol,

(B) a mono or deither of (B1) polyoxypropylene glycol and (B2) a compound having a hydrocarbon moiety and one hydroxyl group substituting for a hydrogen of the hydrocarbon moiety,

(C) a mono or diester of (C1) polyoxypropylene glycol and (C2) a compound having a hydrocarbon moiety and one carboxyl group substituting for a hydrogen of the hydrocarbon moiety,

(D) a compound produced by addition of (D2) one or more propylene oxides to (D1) a compound having a hydrocarbon moiety and 2-6 hydroxyl groups substituting for hydrogens of the hydrocarbon moiety or dehydrating condensate thereof, and esterification with (D3) a group substituting for a hydrogen of the hydrocarbon moiety or (D4) phosphoric acid, and

(E) a compound having a hydrocarbon moiety and one carboxyl group substituting for a hydrogen of the hydrocarbon moiety or (E4) phosphoric acid.

Claim 4

The absorbent article according to claim 2 or 3, wherein the (B2) compound having a hydrocarbon moiety and one hydroxyl group substituting for a hydrogen of the hydrocarbon moiety is a C_1-C_{20} aliphatic monohydric alcohol.

Claim 5

The absorbent article according to any one of claims 2 to 4, wherein the (C2) compound having a hydrocarbon moiety and one carboxyl group substituting for a hydrogen of the hydrocarbon moiety is a C_2-C_{30} fatty acid.

Claim 6

The absorbent article according to any one of claims 2 to 5, wherein the (D1) compound having a hydrocarbon moiety and 2-6 hydroxyl groups substituting for hydrogens of the hydrocarbon moiety or dehydrating condensate thereof, is selected from the group consisting of chain hydrocarbon hexaols, chain hydrocarbon pentaols, chain hydrocarbon tetraols, chain hydrocarbon triols and chain hydrocarbon diols, and dehydrating condensates thereof.

Claim 7

The absorbent article according to any one of claims 2 to 6, wherein the (D1) compound having a hydrocarbon moiety and 2-6 hydroxyl groups substituting for hydrogens of the hydrocarbon moiety or dehydrating condensate thereof, is selected from the group consisting of sorbitol, pentaerythritol, glycerin, trimethylolpropane and ethylene glycol, and dehydrating condensates thereof.

Claim 8

The absorbent article according to any one of claims 2 to 7, wherein the (D3) compound having a hydrocarbon moiety and one carboxyl group substituting for a hydrogen of the hydrocarbon moiety or the (E3) compound having a hydrocarbon moiety and one carboxyl group substituting for a hydrogen of the hydrocarbon moiety is a C_2-C_{30} fatty acid.

Claim 9

The absorbent article according to any one of claims 2 to 8, wherein the (E1) aliphatic amide, aliphatic amine or alkylglucose is a C_1-C_{20} alkylamide, C_1-C_{20} alkylamine or methylglucose, respectively.

Claim 10

The absorbent article according to any one of claims 1 to 9, wherein the blood modifying agent is selected from the group consisting of PPG-4 butyl ether, PPG-12 butyl ether, PPG-17 butyl ether, PPG-20 butyl ether, PPG-24 butyl ether, PPG-33 butyl ether, PPG-40 butyl ether, PPG-52 butyl ether, PPG-3 myristyl ether, PPG-10 cetyl ether, PPG-11 stearyl ether, PPG-15 stearyl ether, PPG-2 lanolyl ether, PPG-5 lanolyl ether, PPG-10 lanolyl ether, PPG-20 lanolyl ether, PPG-26 oleate, PPG-36 oleate, PPG-5.5 castorate, PPG-6 glyceryl ether, PPG-8 glyceryl ether, PPG-10 glyceryl ether, PPG-16 glyceryl ether, PPG-9 diglyceryl ether, PPG-14 diglyceryl ether, PPG-25 sorbitol and PPG-33 sorbitol, and any desired combinations of the foregoing.

Claim 11

The absorbent article according to any one of claims 1 to 10, which is a sanitary napkin or panty liner.