PATENT CLAIMS

1. The use of a cleaning agent for cleaning surfaces of vehicles of all types, of large external surfaces, in particular of buildings, of plants in the food and tobacco and alcohol industries, in particular of milking installations, as well as of plants and equipment having metallic, ceramic and/or plastic surfaces, comprising

(a) 10 to 90% of carbamide,
(b) 5 to 70% by weight of one or more electrolytes,
(c) 0.1 to 35% by weight of one or more surfactants and
(d) 0.01 to 20% by weight of one or more complexing agents.

2. The use as claimed in claim 1, characterized in that it contains 10 to 70% by weight, in particular 20 to 60% by weight, of carbamide.

3. The use as claimed in claim 1 or 2, characterized in that the electrolyte is present in the form of alkali metal and/or alkaline earth metal salts, in particular in the form of sodium salts.

4. The use as claimed in one of claims 1 to 3, characterized in that the complexing agent is present in the form of nitrilotriacetate (NTA), ethylenediamine triacetate (TED), ethylenediamine tetraacetate (EDTA), methylglycine diacetate (MGDA), in particular in the form of the sodium salts.

5. The use as claimed in one of claims 1 to 4, the cleaning agent being used for the cleaning of surfaces of motor vehicles of all types, in particular of heavy goods vehicles, buses, motor cars, motorcycles, bicycles, tractors, ships, aircraft, these in particular having metallic and/or plastic-based surfaces, here in particular paint-based, characterized in that it addi-

tionally contains a thickener, in particular in the form of carboxymethylcellulose, in particular in an amount from 0.001 to 3% by weight.

6. The use as claimed in claim 5, characterized in that it contains anticorrosion agents, in particular in the form of a phosphonate, in particular in an amount from 0.1 to 5% by weight.

7. The use as claimed in claim 5 or 6, characterized in that it contains care agents, in particular in the form of silicone and/or wax emulsions.

8. The use as claimed in at least one of claims 1 to 7, characterized in that it contains an abrasive, in particular in the form of silicon dioxide, in particular in an amount from 0.001 to 1% by weight.

9. The use as claimed in at least one of claims 1 to 7, the cleaning agents being used for the cleaning of external surfaces of all types, in particular of floor surfaces, roofs, wall surfaces, path and terrace surfaces, and also solar surfaces and the like, characterized in that it contains decalcifiers and/or microbicides, in particular against algae, moss, fungi and/or lichens.

10. The use as claimed in claim 9, characterized in that it contains decalcifiers, in particular in the form of amidosulfonic acid and/or citric acid.

11. The use as claimed in claim 10, characterized in that the decalcifier is present in an amount of approximately 1 to 20% by weight, in particular approximately 5 to 15% by weight.

12. The use as claimed in at least one of the preceding claims, characterized in that it contains silicon diox-

ide as an abrasive, in particular in an amount from 0.1 to 5% by weight.

13. The use as claimed in claim 12, characterized in that the amount of silicon dioxide is 0.1 to 3% by weight.

14. The use as claimed in at least one of the preceding claims, characterized in that in the case of the treatment of metallic surfaces of all types, in particular of iron, stainless steel, aluminum, magnesium, titanium, copper, zinc, tin, brass or having chromed surfaces, in the treatment of milking installations and surgical equipment, it contains corrosion inhibitors, in particular in the form of a phosphonate.

15. The use as claimed in claim 14, characterized in that contains corrosion inhibitors in an amount from 0.1 to 5% by weight, in particular in an amount from 0.3 to 3% by weight.

16. The use as claimed in at least one of the preceding claims 1 to 15, characterized in that in the case of alkaline application contains bleaching agent, in particular in the form of a per compound.

17. The use as claimed in claim 16, characterized in that the per compound is present as a persulfate and/or a percarbonate, in particular in the form of the sodium salt, in particular in an amount from 0.1 to 5% by weight.

18. The use as claimed in claim 17, characterized in that the per compound is present in an amount from 0.1 to 3% by weight.

19. The use as claimed in one of claims 16 to 18, characterized in that for adjusting the desired efficacy of the bleaching agent, a suitable activator is employed,

in particular in the form of tetraacetylethylenediamine (TAED).

20. The use as claimed in at least one of the preceding claims, characterized in that for the degradation of organic substances it contains enzymes, in particular in an amount from 0.1 to 5% by weight.

21. The use as claimed in claim 20, characterized in that the amount of enzymes is 0.3 to 3% by weight.

22. The use as claimed in at least one of the preceding claims, characterized in that in the case of use in an acidic medium it contains citric acid and/or amidosulfonic acid.

23. The use as claimed in at least one of the preceding claims 1 to 4, the cleaning agent being used for the cleaning of ceramic surfaces and/or plastic surfaces of dental prostheses, characterized in that it contains acids, in particular citric acid and alkali metal bicarbonate for gas evolution, in particular in an amount from 1 to 10% by weight, the surfaces of dental prostheses in particular being based on: plastics, bridges made of metal, on ceramics, on VMC (veneer metal ceramic) as well as on zirconium dioxide as a structure for full ceramic crowns and full ceramic bridges.

24. The use as claimed in claim 23, characterized in that it contains a bleaching agent, in particular together with a relevant activator, in particular in the form of a per compound.

25. The use as claimed in claim 23 or 24, characterized in that the per compound is a percarbonate, in particular in the form of the sodium salt.

26. The use as claimed in at least one of claims 23 to 25, characterized in that it contains a stabilizer, in

particular in the form of a sugar alcohol, in particular in the form of sorbitol.

27. The use as claimed in at least one of claims 1 to 4, and 23 to 26, characterized in that it contains an antimicrobial agent, in particular with efficacy against yeast fungi, streptococci, Escherichia and also against pseudomonads and Legionella.

28. The use as claimed in at least one of the preceding claims, characterized in that the cleaning agent is used for the treatment of kitchen equipment or kitchen machines, in particular of coffee machines, of hot water boilers, of egg boilers, of bottle warmers for baby bottles and also of baby bottles and baby glasses, the features of the above claims being adapted to these uses.

29. The use as claimed in at least one of the preceding claims, characterized in that it is present in the form of particles, in particular in the form of a powder, in particular in the form of pressed articles or tablets or filled into sachets.

30. The use as claimed in at least one of the preceding claims, characterized in that a cleaning agent is used that is contained in a set and with which the frame conditions designated in the above claims are set on use or before use, the carbamide in particular being separated from the other components of the cleaning agent, in particular in a multi-chamber system.

31. The use as claimed in at least one of the preceding claims in the case of the treatment of surfaces of surgical equipment as well as surfaces of milking installations, the surfaces to be treated essentially being metallic, in particular based on iron, stainless steel, aluminum, magnesium, titanium, copper, zinc, tin, brass, and integrated sealing components, in particular

of plastic, or integrated sight glasses of plastic or special glass.

32. Use of a cleaning agent for closed systems, in particular as dishwasher detergent and as a laundry detergent for washing machines, in particular for cleaning textiles, as a hand dishwasher detergent agent for rinsing by hand and sanitary cleaner, for cleaning, sanitizing and/or disinfecting of equipment in the food processing industry and for medical apparatuses, comprising

(a) 10 to 90% by weight of carbamide;

(b) 5 to 70% by weight of one or more electrolyte(s);

(c) 0.1 to 35% by weight of one or more surfactants and

(d) 0.01 to 20% by weight of one or more complexing agent(s).

33. Use of a cleaning agent according to claim 32, comprising 10 to 70% by weight, in particular 20 to 60% by weight, of carbamide.

34. Use of the cleaning agent according to claim 32 or 33, characterized in that the electrolyte is present in the form of alkali metal and/or alkaline earth metal salts, in particular in the form of sodium salts.

35. Use of the cleaning agent according to at least one of the claims 32 to 34, characterized in, that the complexing agent is present in the form of nitrilotriacetate (NTA), ethylenediamine triacetate (TED), ethylenediamine tetraacetate (EDTA), methylglycine diacetate (MGDA), in particular in the form of sodium salts.

36. Use of the cleaning agent according to at least one of claims 32 to 35, characterized in containing for the degradation of organic substances enzymes, in particular in an amount from 0.1 to 5% by weight.

37. The use according to claim 36, characterized in, that the amount of enzymes is 0.3 to 3% by weight.

38. Use as claimed in at least one of claims 32 to 37, characterized in, that in the case of use in an acidic medium containing citric acid and/or amidosulfonic acid.

39. Use of a cleaning agent according to at least one of claims 32 to 38, characterized in that it consists of particles, in particular as of a powder, in particular as pressed articles or tablets or filled into sachets.

40. Use of the cleaning agent according to at least one of claims 32 to 39, characterized in, that when used in an alkaline medium, it contains a bleaching agent, in particular as a percompound.

41. Use according to claim 40, characterized in, that the percompound is a persulphate and/or percarbonate, in particular a sodium salt, in particular in an amount of 0.1 to 5% by weight.

42. Use of the cleaning agent according to claim 41, characterized in, that the percompound is present in an amount of 0.1 to 3% by weight.

43. Use of the cleaning agent according to at least one of claims 40 to 42, characterized in, that for adjusting the desired efficacy of the bleaching agent, a suitable activator is employed, in particular as tetraacetylethylenediamine (TAED).

44. Use of the cleaning agent according to at least one of claims 32 to 43, characterized in, that the cleaning agent is contained in a set and in which the frame conditions designated in the above claims 32 to 43 are adjusted before use, wherein the urea in particular being separated from the other components of the cleaning agent, in particular in a multichamber system.

PATENT CLAIMS

1. The use of a cleaning agent as dishwasher detergent, as a laundry detergent for washing machines, or for cleaning textiles, comprising:

(a) 10 to 60% by weight of carbamide;

(b) 5 to 70% by weight of one or more electrolyte(s);

(c) 0.1 to 35% by weight of one or more surfactant(s) and

(d) 0.01 to 20% by weight of one or more complexing agent(s),

(e) 0.01 to 10% by weight of one or more enzyme(s).

2. The use of the cleaning agent according to claim 1, characterized in that the electrolyte is present in the form of alkali metal and/or alkaline earth metal salts, in particular in the form of sodium salts.

3. The use of the cleaning agent according to claim 1 or 2, characterized in, that the complexing agent is present in the form of nitrilotriacetate (NTA), ethylenediamine triacetate (TED), ethylenediamine tetraacetate (EDTA), methylglycine diacetate (MGDA) and citrate, in particular in the form of sodium salts.

4. The use of the cleaning agent according to any one of claims 1 to 3, characterized in that the cleaning agent contains enzymes in an amount of from 0.1 to 5% by weight for the degradation of organic substances.

5. The use according to claim 4, characterized in that the amount of enzymes is 0.3 to 3% by weight.

6. The use as claimed in any one of claims 1 to 5, characterized in that the cleaning agent contains citric acid and/or amidosulfonic acid.

7. The use of a cleaning agent according to any one of claims 1 to 6, characterized in that the cleaning agent consists of particles, in particular as a powder, in particular as pressed articles or tablets or filled into sachets.

8. The use of the cleaning agent according to any one of claims 1 to 7, characterized in that the cleaning agent contains a bleaching agent, in particular as a percompound.

9. The use of claim 8, characterized in that the percompound is a persulphate and/or percarbonate, in particular a sodium salt, in particular in an amount of 0.1 to 5% by weight.

10. The use of the cleaning agent of claim 8 or 9, characterized in, that the percompound is present in an amount of 0.1 to 3% by weight.

11. The use of the cleaning agent according to any one of claims 8 to 10, characterized in that for adjusting the desired efficacy of the bleaching agent, a suitable activator is employed, in particular as tetraacetylethylenediamine (TAED).

12. The use of the cleaning agent according to any one of claims 1 to 11, characterized in that the cleaning agent is contained in a set and in which the frame conditions designated in the above claims 1 to 12 are adjusted before use, wherein the urea in particular being separated from the other components of the cleaning agent, in particular in a multichamber system.

13. The use of a cleaning agent according to any one of claims 1 to 12, characterized in that a pH-adjuster is included in the cleaning agent.

14. The use of the cleaning agent according to claim 13, that with the inclusion of the pH-adjuster the cleaning agent, in aqueous form, has a pH of 7 to 12, in particular of 8 to 11.