

Symbol	Typ	Titel
C	Sektion	SECTION C — CHEMISTRY; METALLURGY
C11	Klasse	ANIMAL OR VEGETABLE OILS, FATS, FATTY SUBSTANCES OR WAXES; FATTY ACIDS THEREFROM; DETERGENTS; CANDLES (edible oil or fat compositions A23)
C11D	Unterklasse	DETERGENT COMPOSITIONS (preparations specially adapted for washing the hair A61K 8/00, A61Q 5/12; methods or apparatus for disinfection or sterilisation A61L; special washing compositions for cleaning semi-permeable membranes B01D 65/06); USE OF SINGLE SUBSTANCES AS DETERGENTS; SOAP OR SOAP-MAKING; RESIN SOAPS; RECOVERY OF GLYCEROL <u>Surface-active non-soap detergents</u>
C11D 1/00	Hauptgruppe	Detergent compositions based essentially on surface-active compounds; Use of these compounds as a detergent
C11D 1/02	1-Punkt Untergruppe	. Anionic compounds
C11D 1/04	2-Punkt Untergruppe	. . Carboxylic acids or salts thereof (soap C11D 9/00)
C11D 1/06	3-Punkt Untergruppe	. . . Ether- or thioether carboxylic acids
C11D 1/08	3-Punkt Untergruppe	. . . Polycarboxylic acids containing no nitrogen or sulfur
C11D 1/10	3-Punkt Untergruppe	. . . Amino carboxylic acids; Imino carboxylic acids; Fatty acid condensates thereof
C11D 1/12	2-Punkt Untergruppe	. . Sulfonic acids or sulfuric acid esters; Salts thereof (C11D 3/065 takes precedence)
C11D 1/14	3-Punkt Untergruppe	. . . derived from aliphatic hydrocarbons or mono-alcohols
C11D 1/16	3-Punkt Untergruppe	. . . derived from divalent or polyvalent alcohols
C11D 1/18	3-Punkt Untergruppe	. . . derived from amino alcohols
C11D 1/20	4-Punkt Untergruppe	 Fatty acid condensates
C11D 1/22	3-Punkt Untergruppe	. . . derived from aromatic compounds
C11D 1/24	4-Punkt Untergruppe	 containing ester or ether groups directly attached to the nucleus
C11D 1/26	3-Punkt Untergruppe	. . . derived from heterocyclic compounds
C11D 1/28	3-Punkt Untergruppe	. . . Sulfonation products derived from fatty acids or their derivatives, e.g. esters, amides
C11D 1/29	3-Punkt Untergruppe	. . . Sulfates of polyoxyalkylene ethers [2]
C11D 1/30	3-Punkt Untergruppe	. . . Sulfonation products derived from lignin
C11D 1/32	2-Punkt Untergruppe	. . Protein hydrolysates; Fatty acid condensates thereof
C11D 1/34	2-Punkt Untergruppe	. . Derivatives of acids of phosphorus
C11D 1/36	2-Punkt Untergruppe	. . of unknown constitution
C11D 1/37	2-Punkt Untergruppe	. . Mixtures of compounds all of which are anionic
C11D 1/38	1-Punkt Untergruppe	. Cationic compounds
C11D 1/40	2-Punkt Untergruppe	. . Monoamines or polyamines; Salts thereof
C11D 1/42	2-Punkt Untergruppe	. . Amino alcohols or amino ethers

Symbol	Typ	Titel
C11D 1/44	3-Punkt Untergruppe	. . . Ethers of polyoxyalkylenes with amino alcohols; Condensation products of epoxyalkanes with amines
C11D 1/46	2-Punkt Untergruppe	. . Esters of carboxylic acids with amino alcohols; Esters of amino carboxylic acids with alcohols
C11D 1/48	2-Punkt Untergruppe	. . N-containing polycondensation products
C11D 1/50	2-Punkt Untergruppe	. . Derivatives of urea, thiourea, cyanamide, guanidine or urethanes
C11D 1/52	2-Punkt Untergruppe	. . Carboxylic amides, alkylolamides or imides (C11D 3/07 takes precedence)
C11D 1/54	2-Punkt Untergruppe	. . Hydrazides of carboxylic acids
C11D 1/56	2-Punkt Untergruppe	. . containing nitro or nitroso groups
C11D 1/58	2-Punkt Untergruppe	. . Heterocyclic compounds
C11D 1/60	2-Punkt Untergruppe	. . Sulfonium or phosphonium compounds
C11D 1/62	2-Punkt Untergruppe	. . Quaternary ammonium compounds
C11D 1/64	2-Punkt Untergruppe	. . of unknown constitution
C11D 1/645	2-Punkt Untergruppe	. . Mixtures of compounds all of which are cationic
C11D 1/65	2-Punkt Untergruppe	. . Mixtures of anionic with cationic compounds
C11D 1/655	3-Punkt Untergruppe	. . . of sulfonated products with alkylolamides of carboxylic acids (C11D 3/066 takes precedence)
C11D 1/66	1-Punkt Untergruppe	. Non-ionic compounds
C11D 1/68	2-Punkt Untergruppe	. . Alcohols; Oxidation products of paraffin wax, other than acids
C11D 1/70	2-Punkt Untergruppe	. . Phenols
C11D 1/72	2-Punkt Untergruppe	. . Ethers of polyoxyalkylene glycols (C11D 3/075 takes precedence)
C11D 1/722	2-Punkt Untergruppe	. . Ethers of polyoxyalkylenes having mixed oxyalkylene groups [2]
C11D 1/74	2-Punkt Untergruppe	. . Carboxylates or sulfonates of polyoxyalkylene glycols
C11D 1/75	2-Punkt Untergruppe	. . Amino oxides [2]
C11D 1/755	2-Punkt Untergruppe	. . Sulfoxides [2]
C11D 1/76	2-Punkt Untergruppe	. . Synthetic resins containing no nitrogen
C11D 1/78	2-Punkt Untergruppe	. . Neutral esters of acids of phosphorus
C11D 1/79	2-Punkt Untergruppe	. . Phosphine oxides [2]
C11D 1/80	2-Punkt Untergruppe	. . Derivatives of lignin containing no sulfo- or sulfate groups
C11D 1/82	2-Punkt Untergruppe	. . Compounds containing silicon
C11D 1/825	2-Punkt Untergruppe	. . Mixtures of compounds all of which are non-anionic
C11D 1/83	2-Punkt Untergruppe	. . Mixtures of non-ionic with anionic compounds
C11D 1/831	3-Punkt Untergruppe	. . . of sulfonates with ethers of polyoxyalkylenes without phosphates
C11D 1/835	2-Punkt Untergruppe	. . Mixtures of non-ionic with cationic compounds
C11D 1/86	1-Punkt Untergruppe	. Mixtures of anionic, cationic, and non-ionic compounds

Symbol	Typ	Titel
C11D 1/88	1-Punkt Untergruppe	. Ampholytes; Electroneutral compounds [2]
C11D 1/90	2-Punkt Untergruppe	. . Betaines [2]
C11D 1/92	2-Punkt Untergruppe	. . Sulfobetaines [2]
C11D 1/94	2-Punkt Untergruppe	. . Mixtures with anionic, cationic or non-ionic compounds [2]
C11D 3/00	Hauptgruppe	Other compounding ingredients of detergent compositions covered in group C11D 1/00
C11D 3/02	1-Punkt Untergruppe	. Inorganic compounds
C11D 3/04	2-Punkt Untergruppe	. . Water-soluble compounds
C11D 3/06	3-Punkt Untergruppe	. . . Phosphates, including polyphosphates
C11D 3/065	4-Punkt Untergruppe	 in admixture with sulfonated products
C11D 3/066	5-Punkt Untergruppe	 and with alkylolamides of carboxylic acids
C11D 3/07	4-Punkt Untergruppe	 in a mixture with alkylolamides of carbocyclic acids
C11D 3/075	4-Punkt Untergruppe	 in admixture with ethers of polyoxyalkylenes
C11D 3/08	3-Punkt Untergruppe	. . . Silicates
C11D 3/10	3-Punkt Untergruppe	. . . Carbonates
C11D 3/12	2-Punkt Untergruppe	. . Water-insoluble compounds
C11D 3/14	3-Punkt Untergruppe	. . . Pigments; Fillers; Abrasives
C11D 3/16	1-Punkt Untergruppe	. Organic compounds
C11D 3/18	2-Punkt Untergruppe	. . Hydrocarbons
C11D 3/20	2-Punkt Untergruppe	. . containing oxygen
C11D 3/22	3-Punkt Untergruppe	. . . Carbohydrates or derivatives thereof
C11D 3/24	2-Punkt Untergruppe	. . containing halogen
C11D 3/26	2-Punkt Untergruppe	. . containing nitrogen
C11D 3/28	3-Punkt Untergruppe	. . . Heterocyclic compounds containing nitrogen in the ring
C11D 3/30	3-Punkt Untergruppe	. . . Amines; Substituted amines
C11D 3/32	3-Punkt Untergruppe	. . . Amides; Substituted amides
C11D 3/33	3-Punkt Untergruppe	. . . Amino carboxylic acids [2]
C11D 3/34	2-Punkt Untergruppe	. . containing sulfur
C11D 3/36	2-Punkt Untergruppe	. . containing phosphorus
C11D 3/37	2-Punkt Untergruppe	. . Polymers [2]
C11D 3/38	2-Punkt Untergruppe	. . Products with no well-defined composition
C11D 3/382	3-Punkt Untergruppe	. . . Vegetable products, e.g. soya meal, wood flour, sawdust [2]
C11D 3/384	3-Punkt Untergruppe	. . . Animal products [2]

Symbol	Typ	Titel
C11D 3/386	3-Punkt Untergruppe	. . . Preparations containing enzymes [2]
C11D 3/39	1-Punkt Untergruppe	. Organic or inorganic per-compounds [2]
C11D 3/395	1-Punkt Untergruppe	. Bleaching agents [2]
C11D 3/40	1-Punkt Untergruppe	. Dyes [2]
C11D 3/42	2-Punkt Untergruppe	. . Brightening agents [2]
C11D 3/43	1-Punkt Untergruppe	. Solvents [2]
C11D 3/44	2-Punkt Untergruppe	. . Mixed solvents
C11D 3/46	1-Punkt Untergruppe	. Superfatting agents [2]
C11D 3/48	1-Punkt Untergruppe	. Medicinal or disinfecting agents [2]
C11D 3/50	1-Punkt Untergruppe	. Perfumes [2]
C11D 3/60	1-Punkt Untergruppe	. Mixtures of compounding ingredients [2]
C11D 7/00	Hauptgruppe	Compositions of detergents based essentially on non-surface-active compounds
C11D 7/02	1-Punkt Untergruppe	. Inorganic compounds
C11D 7/04	2-Punkt Untergruppe	. . Water-soluble compounds
C11D 7/06	3-Punkt Untergruppe	. . . Hydroxides
C11D 7/08	3-Punkt Untergruppe	. . . Acids
C11D 7/10	3-Punkt Untergruppe	. . . Salts
C11D 7/12	4-Punkt Untergruppe	 Carbonates
C11D 7/14	4-Punkt Untergruppe	 Silicates
C11D 7/16	4-Punkt Untergruppe	 Phosphates including polyphosphates
C11D 7/18	2-Punkt Untergruppe	. . Peroxides; Persalts
C11D 7/20	2-Punkt Untergruppe	. . Water-insoluble oxides
C11D 7/22	1-Punkt Untergruppe	. Organic compounds
C11D 7/24	2-Punkt Untergruppe	. . Hydrocarbons
C11D 7/26	2-Punkt Untergruppe	. . containing oxygen
C11D 7/28	2-Punkt Untergruppe	. . containing halogen
C11D 7/30	3-Punkt Untergruppe	. . . Halogenated hydrocarbons
C11D 7/32	2-Punkt Untergruppe	. . containing nitrogen
C11D 7/34	2-Punkt Untergruppe	. . containing sulfur
C11D 7/36	2-Punkt Untergruppe	. . containing phosphorus
C11D 7/38	2-Punkt Untergruppe	. . Per-compounds
C11D 7/40	2-Punkt Untergruppe	. . Products in which the composition is not well defined

Symbol	Typ	Titel
C11D 7/42	3-Punkt Untergruppe	. . . Preparations containing enzymes
C11D 7/44	3-Punkt Untergruppe	. . . Vegetable products (C11D 7/42 takes precedence)
C11D 7/46	3-Punkt Untergruppe	. . . Animal products (C11D 7/42 takes precedence)
C11D 7/50	1-Punkt Untergruppe	. Solvents [2]
C11D 7/52	2-Punkt Untergruppe	. . combined with promoters [2]
C11D 7/54	1-Punkt Untergruppe	. Bleaching agents [2]
C11D 7/56	2-Punkt Untergruppe	. . combined with phosphates [2]
C11D 7/60	1-Punkt Untergruppe	. Mixtures of non-surface-active compounds [2]
		<u>Soap Detergents</u>
C11D 9/00	Hauptgruppe	Compositions of detergents based essentially on soap (compositions containing resin soap C11D 15/04)
C11D 9/02	1-Punkt Untergruppe	. on alkali or ammonium soaps
C11D 9/04	1-Punkt Untergruppe	. containing compounding ingredients other than soaps
C11D 9/06	2-Punkt Untergruppe	. . Inorganic compounds
C11D 9/08	3-Punkt Untergruppe	. . . Water-soluble compounds
C11D 9/10	4-Punkt Untergruppe	 Salts
C11D 9/12	5-Punkt Untergruppe	 Carbonates
C11D 9/14	5-Punkt Untergruppe	 Phosphates; Polyphosphates
C11D 9/16	5-Punkt Untergruppe	 Borates
C11D 9/18	3-Punkt Untergruppe	. . . Water-insoluble compounds
C11D 9/20	4-Punkt Untergruppe	 Pigments; Fillers; Abrasives
C11D 9/22	2-Punkt Untergruppe	. . Organic compounds
C11D 9/24	3-Punkt Untergruppe	. . . Hydrocarbons
C11D 9/26	3-Punkt Untergruppe	. . . containing oxygen
C11D 9/28	3-Punkt Untergruppe	. . . containing halogen
C11D 9/30	3-Punkt Untergruppe	. . . containing nitrogen
C11D 9/32	3-Punkt Untergruppe	. . . containing sulfur
C11D 9/34	3-Punkt Untergruppe	. . . containing phosphorus
C11D 9/36	3-Punkt Untergruppe	. . . containing silicon
C11D 9/38	3-Punkt Untergruppe	. . . Products in which the composition is not well defined
C11D 9/40	3-Punkt Untergruppe	. . . Proteins
C11D 9/42	2-Punkt Untergruppe	. . Per-compounds
C11D 9/44	2-Punkt Untergruppe	. . Perfumes; Colouring materials; Brightening agents

Symbol	Typ	Titel
C11D 9/48	2-Punkt Untergruppe	. . Superfatting agents
C11D 9/50	2-Punkt Untergruppe	. . Medicinal or disinfecting agents
C11D 9/60	2-Punkt Untergruppe	. . Mixtures of compounding ingredients [2]
C11D 10/00	Hauptgruppe	Compositions of detergents, not provided for by any single one of main groups C11D 1/00-C11D 9/00 [2]
C11D 10/02	1-Punkt Untergruppe	. based on mixtures of surface-active non-soap and non-surface-active compounds [2]
C11D 10/04	1-Punkt Untergruppe	. based on mixtures of surface-active non-soap compounds and soap [2]
C11D 10/06	1-Punkt Untergruppe	. based on mixtures of non-surface-active compounds and soap [2]
C11D 11/00	Hauptgruppe	Special methods for preparing compositions containing mixtures of detergents
C11D 11/02	1-Punkt Untergruppe	. Preparation in the form of powder by spray-drying
C11D 11/04	1-Punkt Untergruppe	. by chemical means, e.g. sulfonating in the presence of other compounding ingredients followed by neutralising
		<u>Soap or soap-making; Resin soaps</u>
C11D 13/00	Hauptgruppe	Making of soap or soap solutions in general; Apparatus therefor (resin soap C11D 15/00)
C11D 13/02	1-Punkt Untergruppe	. Boiling soap; Refining
C11D 13/04	2-Punkt Untergruppe	. . Continuous methods therefor
C11D 13/06	2-Punkt Untergruppe	. . Bleaching of soap or soap solutions
C11D 13/08	1-Punkt Untergruppe	. Colouring or perfuming
C11D 13/10	1-Punkt Untergruppe	. Mixing; Kneading
C11D 13/12	1-Punkt Untergruppe	. Cooling (C11D 13/14 takes precedence)
C11D 13/14	1-Punkt Untergruppe	. Shaping
C11D 13/16	2-Punkt Untergruppe	. . in moulds
C11D 13/18	2-Punkt Untergruppe	. . by extrusion or by pressing
C11D 13/20	2-Punkt Untergruppe	. . in the form of small particles, e.g. powder, flakes (by slicing C11D 13/24)
C11D 13/22	1-Punkt Untergruppe	. Cutting
C11D 13/24	2-Punkt Untergruppe	. . Slicing soap on the cooling drum
C11D 13/26	1-Punkt Untergruppe	. Drying (drying ovens F27)
C11D 13/28	1-Punkt Untergruppe	. Embossing; Polishing
C11D 13/30	1-Punkt Untergruppe	. Recovery of soap, e.g. from spent solutions
C11D 15/00	Hauptgruppe	Manufacture of resin soap or soaps derived from naphthenic acids; Compositions
C11D 15/02	1-Punkt Untergruppe	. Apparatus therefor
C11D 15/04	1-Punkt Untergruppe	. Compositions containing resin soap or soap derived from naphthenic acids
C11D 17/00	Hauptgruppe	Detergent materials or soaps characterised by their shape or physical properties (shaping soap C11D 13/14)
C11D 17/02	1-Punkt Untergruppe	. Floating bodies of detergents

Symbol	Typ	Titel
C11D 17/04	1-Punkt Untergruppe	. combined with or containing other objects
C11D 17/06	1-Punkt Untergruppe	. Powder; Flakes; Free-flowing mixtures; Sheets
C11D 17/08	1-Punkt Untergruppe	. Liquid soap; capsuled
C11D 19/00	Hauptgruppe	Recovery of glycerol from a saponification liquor (refining glycerol C07C 31/22)