SECTION C — CHEMISTRY; METALLURGY

C11 ANIMAL OR VEGETABLE OILS, FATS, FATTY SUBSTANCES OR WAXES; FATTY ACIDS THEREFROM; DETERGENTS; CANDLES

C11D DETERGENT COMPOSITIONS; USE OF SINGLE SUBSTANCES AS DETERGENTS; SOAP OR SOAP-MAKING; RESIN SOAPS; RECOVERY OF GLYCEROL

Note(s) [2006.01]

- When classifying in the mixture groups of this subclass, any individual ingredient of a composition which is not identified by such classification, and which itself is determined to be novel and non-obvious, must also be classified in groups C11D 1/00-C11D 9/00. The individual ingredient can be either a single substance or a composition in itself.
- 2. Any ingredient of a composition which is not identified by the classification according to Note (1) above, and which is considered to represent information of interest for search, may also be classified in groups C11D 1/00-C11D 9/00. This can, for example, be the case when it is considered of interest to enable searching of compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information".

Subclass index

SURFACE-ACTIVE DETERGENTS	
Non-soap	1/00, 3/00
Non-soap Based on soap	9/00
NON-SURFACE-ACTIVE DETERGENTS	7/00
DETERGENT MIXTURES	10/00, 11/00
SOAP-MAKING; GLYCEROL	13/00, 15/00, 19/00
SHAPE	17/00

Surface-active non-soap detergents

1/00 Detergent compositions based essentially on surfaceactive compounds; Use of these compounds as a detergent [1, 2006.01]

Note(s)

In groups C11D 1/02-C11D 1/88, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, a compound is classified in the last appropriate place.

- 1/02 Anionic compounds **[1, 2006.01]**
- 1/04 Carboxylic acids or salts thereof (soap C11D 9/00) [1, 2006.01]
- 1/06 • Ether- or thioether carboxylic acids **[1, 2006.01]**
- 1/08 • Polycarboxylic acids containing no nitrogen or sulfur [1, 2006.01]
- 1/10 • Amino carboxylic acids; Imino carboxylic acids; Fatty acid condensates thereof [1, 2006.01]
- 1/12 Sulfonic acids or sulfuric acid esters; Salts thereof (C11D 3/065 takes precedence) [1, 2006.01]
- 1/14 • derived from aliphatic hydrocarbons or monoalcohols [1, 2006.01]
- 1/16 • derived from divalent or polyvalent alcohols [1, 2006.01]
- 1/18 • derived from amino alcohols **[1, 2006.01]**
- 1/20 • • Fatty acid condensates [1, 2006.01]

- 1/22 • derived from aromatic compounds [1, 2006.01]
- 1/24 • containing ester or ether groups directly attached to the nucleus [1, 2006.01]
- 1/26 • derived from heterocyclic compounds [1, 2006.01]
- 1/28 • Sulfonation products derived from fatty acids or their derivatives, e.g. esters, amides [1, 2006.01]
- 1/29 • Sulfates of polyoxyalkylene ethers [2, 2006.01]
- 1/30 • Sulfonation products derived from lignin [1, 2006.01]
- 1/32 Protein hydrolysates; Fatty acid condensates thereof [1, 2006.01]
- 1/34 Derivatives of acids of phosphorus [1, 2006.01]
- 1/36 • of unknown constitution [1, 2006.01]
- 1/37 • Mixtures of compounds all of which are anionic [1, 2006.01]
- 1/38 Cationic compounds [1, 2006.01]
- 1/40 • Monoamines or polyamines; Salts thereof **[1, 2006.01]**
- 1/42 • Amino alcohols or amino ethers **[1, 2006.01]**
- 1/44 • Ethers of polyoxyalkylenes with amino alcohols; Condensation products of epoxyalkanes with amines [1, 2006.01]
- 1/46 Esters of carboxylic acids with amino alcohols;
 Esters of amino carboxylic acids with alcohols [1, 2006.01]
- 1/48 • N-containing polycondensation products [1, 2006.01]

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1/50	 Derivatives of urea, thiourea, cyanamide, guanidine or urethanes [1, 2006.01] 	3/065 • • • • in admixture with sulfonated products [1, 2006.01]
1/52	• • Carboxylic amides, alkylolamides or imides (C11D 3/07 takes precedence) [1, 2006.01]	3/066 • • • • and with alkylolamides of carboxylic acids [1, 2006.01]
1/54	• • Hydrazides of carboxylic acids [1, 2006.01]	3/07 • • • in a mixture with alkylolamides of
1/56	• • containing nitro or nitroso groups [1, 2006.01]	carbocyclic acids [1, 2006.01]
1/58	 Heterocyclic compounds [1, 2006.01] 	3/075 • • • • in admixture with ethers of
1/60	Sulfonium or phosphonium	polyoxyalkylenes [1, 2006.01] 3/08 • • • Silicates [1, 2006.01]
1 / (2)	compounds [1, 2006.01]	3/10 • • • Carbonates [1, 2006.01]
1/62	• • Quaternary ammonium compounds [1, 2006.01]	3/12 • Water-insoluble compounds [1, 2006.01]
1/64	• • of unknown constitution [1, 2006.01]	3/14 • • • Pigments; Fillers; Abrasives [1, 2006.01]
1/645	 Mixtures of compounds all of which are cationic [1, 2006.01] 	3/16 • Organic compounds [1, 2006.01]
1/65	Mixtures of anionic with cationic	3/18 • • Hydrocarbons [1, 2006.01]
17 00	compounds [1, 2006.01]	3/20 • • containing oxygen [1, 2006.01]
1/655	of sulfonated products with alkylolamides of	3/22 • • • Carbohydrates or derivatives
	carboxylic acids (C11D 3/066 takes	thereof [1, 2006.01]
	precedence) [1, 2006.01]	3/24 • • containing halogen [1, 2006.01]
1/66	• Non-ionic compounds [1, 2006.01]	3/26 • • containing nitrogen [1, 2006.01]
1/68	 Alcohols; Oxidation products of paraffin wax, other than acids [1, 2006.01] 	3/28 • • • Heterocyclic compounds containing nitrogen in the ring [1, 2006.01]
1/70	• • Phenols [1, 2006.01]	3/30 • • • Amines; Substituted amines [1, 2006.01]
1/72	 Ethers of polyoxyalkylene glycols (C11D 3/075 	3/32 • • • Amides; Substituted amides [1, 2006.01]
	takes precedence) [1, 2006.01]	3/33 • • • Amino carboxylic acids [2, 2006.01]
1/722	Ethers of polyoxyalkylenes having mixed	3/34 • • containing sulfur [1, 2006.01]
4 /54	oxyalkylene groups [2, 2006.01]	3/36 • • containing phosphorus [1, 2006.01]
1/74	 Carboxylates or sulfonates of polyoxyalkylene glycols [1, 2006.01] 	3/37 • • Polymers [2, 2006.01]
1/75	• • Amino oxides [2, 2006.01]	3/38 • • Products with no well-defined
1/755	• Sulfoxides [2, 2006.01]	composition [1, 2006.01]
1/76	Synthetic resins containing no	3/382 • • • Vegetable products, e.g. soya meal, wood flour,
1//0	nitrogen [1, 2006.01]	sawdust [2, 2006.01]
1/78	• • Neutral esters of acids of phosphorus [1, 2006.01]	3/384 • • • Animal products [2, 2006.01]
1/79	• • Phosphine oxides [2, 2006.01]	3/386 • • • Preparations containing enzymes [2, 2006.01]
1/80	 Derivatives of lignin containing no sulfo- or 	 3/39 • Organic or inorganic per-compounds [2, 2006.01] 3/395 • Bleaching agents [2, 2006.01]
	sulfate groups [1, 2006.01]	3/40 • Dyes [1, 2, 2006.01]
1/82	 Compounds containing silicon [1, 2006.01] 	3/42 • Brightening agents [1, 2, 2006.01]
1/825	Mixtures of compounds all of which are non-	3/43 • Solvents [2, 2006.01]
4 /00	anionic [1, 2006.01]	3/44 • • Mixed solvents [1, 2006.01]
1/83	 Mixtures of non-ionic with anionic compounds [1, 2006.01] 	3/46 • Superfatting agents [1, 2, 2006.01]
1/831	• • of sulfonates with ethers of polyoxyalkylenes	3/48 • Medicinal or disinfecting agents [1, 2, 2006.01]
1/051	without phosphates [1, 2006.01]	3/50 • Perfumes [1, 2, 2006.01]
1/835	Mixtures of non-ionic with cationic	3/60 • Mixtures of compounding ingredients [2, 2006.01]
-, -, -	compounds [1, 2006.01]	
1/86	Mixtures of anionic, cationic, and non-ionic	
	compounds [1, 2006.01]	7/00 - Committee of Language bond on the line of the committee of the commi
1/88	• Ampholytes; Electroneutral compounds [2, 2006.01]	7/00 Compositions of detergents based essentially on non- surface-active compounds [1, 2006.01]
1/90	• • Betaines [2, 2006.01]	surface-active compounts [1, 2000.01]
1/92	• • Sulfobetaines [2, 2006.01]	Note(s)
1/94	 Mixtures with anionic, cationic or non-ionic compounds [2, 2006.01] 	In groups C11D 7/02-C11D 7/22, the last place priority rule is applied, i.e. at each hierarchical level, in the
3/00	Other compounding ingredients of detergent	absence of an indication to the contrary, a compound is
3/00	compositions covered in group	classified in the last appropriate place.
	C11D 1/00 [1, 2006.01]	7/02 • Inorganic compounds [1, 2006.01]
		7/04 • • Water-soluble compounds [1, 2006.01]
	Note(s) [2]	7/06 • • • Hydroxides [1, 2006.01]
	In groups C11D 3/02-C11D 3/39, the last place priority	7/08 • • • Acids [1, 2006.01]
	rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, a compound is	7/10 • • • Salts [1, 2006.01] 7/12 • • • Carbonates [1, 2006.01]
	classified in the last appropriate place.	7/12 • • • • Carbonates [1, 2006.01] 7/14 • • • • Silicates [1, 2006.01]
3/02	• Inorganic compounds [1, 2006.01]	7/16 • • • • Phosphates including
3/04	Water-soluble compounds [1, 2006.01]	polyphosphates [1, 2006.01]
3/06	Phosphates, including	7/18 • • Peroxides; Persalts [1, 2006.01]
	polyphosphates [1, 2006.01]	7/20 • • Water-insoluble oxides [1, 2006.01]

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7/22	• Organic compounds [1, 2006.01]	9/50	• • Medicinal or disinfecting agents [1, 2006.01]
7/24	 Hydrocarbons [1, 2006.01] 	9/60	 • Mixtures of compounding ingredients [2, 2006.01]
7/26	• • containing oxygen [1, 2006.01]	27 00	
7/28	 containing halogen [1, 2006.01] 	10/00	Compositions of detergents, not provided for by any
7/30	• • • Halogenated hydrocarbons [1, 2006.01]		single one of main groups C11D 1/00- C11D 9/00 [2, 2006.01]
7/32	• • containing nitrogen [1, 2006.01]	10/02	based on mixtures of surface-active non-soap and
7/34	• • containing sulfur [1, 2006.01]	10/02	non-surface-active compounds [2, 2006.01]
7/36	 containing phosphorus [1, 2006.01] 	10/04	based on mixtures of surface-active non-soap
7/38	• • Per-compounds [1, 2006.01]		compounds and soap [2, 2006.01]
7/40	• • Products in which the composition is not well	10/06	• based on mixtures of non-surface-active compounds
7/40	defined [1, 2006.01]		and soap [2, 2006.01]
7/42 7/44	• Preparations containing enzymes [1, 2006.01]• Vegetable products (C11D 7/42 takes	11/00	Special methods for preparing compositions
//	precedence) [1, 2006.01]	,	containing mixtures of detergents [1, 2006.01]
7/46	Animal products (C11D 7/42 takes)	11/02	 Preparation in the form of powder by spray-
	precedence) [1, 2006.01]		drying [1, 2006.01]
7/50	• Solvents [1, 2, 2006.01]	11/04	• by chemical means, e.g. sulfonating in the presence
7/52	 combined with promoters [1, 2, 2006.01] 		of other compounding ingredients followed by neutralising [1, 2006.01]
7/54	• Bleaching agents [1, 2, 2006.01]		neutralising [1, 2000.01]
7/56	• • combined with phosphates [1, 2, 2006.01]		
7/60	 Mixtures of non-surface-active compounds [2, 2006.01] 	Soap or s	soap-making; Resin soaps
	compounds (2, 2000.01)	13/00	Making of soap or soap solutions in general;
			Apparatus therefor (resin soap
Soap Det	ergents		C11D 15/00) [1, 2006.01]
9/00	Compositions of detergents based essentially on soap	13/02	 Boiling soap; Refining [1, 2006.01]
5700	(compositions containing resin soap	13/04	 Continuous methods therefor [1, 2006.01]
	C11D 15/04) [1, 2006.01]	13/06	• • Bleaching of soap or soap solutions [1, 2006.01]
		13/08	• Colouring or perfuming [1, 2006.01]
0.700	N 11	13/10	• Mixing; Kneading [1, 2006.01]
9/02	• on alkali or ammonium soaps [1, 2006.01]	13/12 13/14	 Cooling (C11D 13/14 takes precedence) [1, 2006.01] Shaping [1, 2006.01]
9/04	 containing compounding ingredients other than soaps [1, 2006.01] 	13/14	• • in moulds [1, 2006.01]
		13/18	 by extrusion or by pressing [1, 2006.01]
	Note(s)	13/20	 in the form of small particles, e.g. powder or
	In groups C11D 9/06-C11D 9/42, the last place priority		flakes [1, 2006.01]
	rule is applied, i.e. at each hierarchical level, in the	13/22	• Cutting [1, 2006.01]
	absence of an indication to the contrary, a compound is classified in the last appropriate place.	13/24	• • Slicing soap on the cooling drum [1, 2006.01]
9/06	 Inorganic compounds [1, 2006.01] 	13/26	• Drying [1, 2006.01]
9/08	• • • Water-soluble compounds [1, 2006.01]	13/28	 Embossing; Polishing [1, 2006.01]
9/10	• • • • Salts [1, 2006.01]	13/30	• Recovery of soap, e.g. from spent
9/12	• • • • Carbonates [1, 2006.01]		solutions [1, 2006.01]
9/14	• • • • Phosphates; Polyphosphates [1, 2006.01]	15/00	Manufacture of resin soap or soaps derived from
9/16	• • • • Borates [1, 2006.01]		naphthenic acids; Compositions [1, 2006.01]
9/18	• • • Water-insoluble compounds [1, 2006.01]	15/02	 Apparatus therefor [1, 2006.01]
9/20	• • • • Pigments; Fillers; Abrasives [1, 2006.01]	15/04	Compositions containing resin soap or soap derived
9/22	• • Organic compounds [1, 2006.01]		from naphthenic acids [1, 2006.01]
9/24	• • • Hydrocarbons [1, 2006.01]		
9/26	• • • containing oxygen [1, 2006.01]		
9/28 9/30	containing halogen [1, 2006.01]containing nitrogen [1, 2006.01]	17/00	Detergent materials or soaps characterised by their
9/30	containing nitrogen [1, 2006.01]containing sulfur [1, 2006.01]		shape or physical properties (shaping soap
9/34	• • • containing phosphorus [1, 2006.01]	17/02	C11D 13/14) [1, 2006.01]
9/36	• • • containing silicon [1, 2006.01]	17/02 17/04	• Floating bodies of detergents [1, 2006.01]
9/38	 Products in which the composition is not well 	17/04	 combined with or containing other objects [1, 2006.01]
	defined [1, 2006.01]	17/06	Powder; Flakes; Free-flowing mixtures;
9/40	• • • Proteins [1, 2006.01]		Sheets [1, 2006.01]
9/42	• • Per-compounds [1, 2006.01]	17/08	 Liquid soap; capsuled [1, 2006.01]
9/44	Perfumes; Colouring materials; Brightening	10 /00	December of almost from a second from
0.1.0	agents [1, 2006.01]	19/00	Recovery of glycerol from a saponification liquor [1, 2006.01]
9/48	• • Superfatting agents [1, 2006.01]		nquot [1, 2000,01]

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